Транзисторни радио-приемници и магнетофони

ИВАН НИКОЛОВ ПЕТРОВ

Д.И. „ТЕХНИКА"

инж. И В А Н Н И К О Л О В П Е Т Р О В

Транзисторни радио-приемници и магнетофони

Сканиране: Петко Петков, Бургас, обработка: LZ2WSG,
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СОФИЯ, 1971
ДЪРЖАВНО ИЗДАТЕЛСТВО «ТЕХНИКА»

УДК 621.396.62 (084.2)

Книгата е справочник, в който са систематизирани и подредени схемите на най-често срещаните у нас транзисторни радиоприемници и магнетофони. В схемите са посочени най-важните данни и стойностите на елементите.

Книгата е полезна не само с разнообразието от схемни решения — тя е ценно помагало за радиолюбителите и радиотехниците-професионалисти, за работещите по ремонта на радиоприемниците и магнетофоните, и др.

621.3

Посвещавам тази книга на моята майка в знак на голяма любов и признателност

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ПРЕДГОВОР

От излизането на второто издание на книгата «Радио и телевизионни приемници» изминаха вече пет години. Следвайки процеса на стремителното развитие за този период, радиоприемната техника навлезе в етапа на транзисторизацията. Започнали твърде плахо своя живот, транзисторите намериха своето място в портативните малогабаритни приемници (погрешно наричани популярно «транзистори»), за да се наложат в последно време категорично във всички радиоприемници — както в портативните, така и в настолните, със захранване от батерия и от мрежа. Широко приложение намериха транзисторите и в магнитофонната техника.

По инициатива на издателство «Техника» се подготви тази книга, която има за задача да запълни известна празнота в техническата литература, третираща транзисторната приемна техника и звукозаписа от онази страна, която засяга съвременните схемни решения на известни на нашия пазар фирми и страни. Книгата е предназначена и за многобройните наши специалисти, техници и радиолюбители, занимаващи се с изучаването, поддържането и ремонта на такива апарати.

Първата глава на книгата съдържа фабричните схеми и някои по-важни данни на транзисторните радиоприемници.

Приемниците са подредени в раздели по национална принадлежност в азбучен ред. Вътре в разделите подреждането е направено по азбучен и възходящ ред.

За приемниците, които имат обхват за УКВ в книгата не се посочва междинна честота за УКВ канала, тъй като тя е стандартизирана в световен мащаб — 10,7 MHz.

Втората глава обхваща схемите и някои по-важни данни на магнитофони, подредени по същия признак, както радиоприемниците.

Не във всички случаи са дадени допълнителни технически данни, главно поради трудностите, съпътствуващи тяхното намиране.

В редица случаи читателят ще намери несъответствие между приемника, с който разполага, и поместената в книгата схема. Причината се крие във факта, че производителите непрекъснато правят малки изменения в конструкцията или материалите, които не отразяват в съответната документация за широкия потребител. В основни линии обаче схемата отговаря на съответния тип приемник.

Книгата съдържа схемите на над 250 фабрични транзисторни радиоприемници и магнетофони (транзисторни и лампови).

Изказвам голяма благодарност на всички колеги, които ми помогнаха в събирането на огромния справочен материал за различните апарати и по-специално на другарите от ДСК «Кореком», от сервизните служби за радиоприемници и магнетофони, а също така на д-р А. Совински от ITP — Варшава, и др. Ендовицка — зав. Научно-техническата библиотека в НИПКИП —София, за материалите, които ми осигуриха по време на подготовката на книгата.

Всички мнения и препоръки относно качеството и съдържанието на книгата, а също и пожелания за съдържанието и оформянето на едно бъдещо издание да се изпращат на адрес: ДИ «Техника», бул. Руски 6 — София.

Авторът

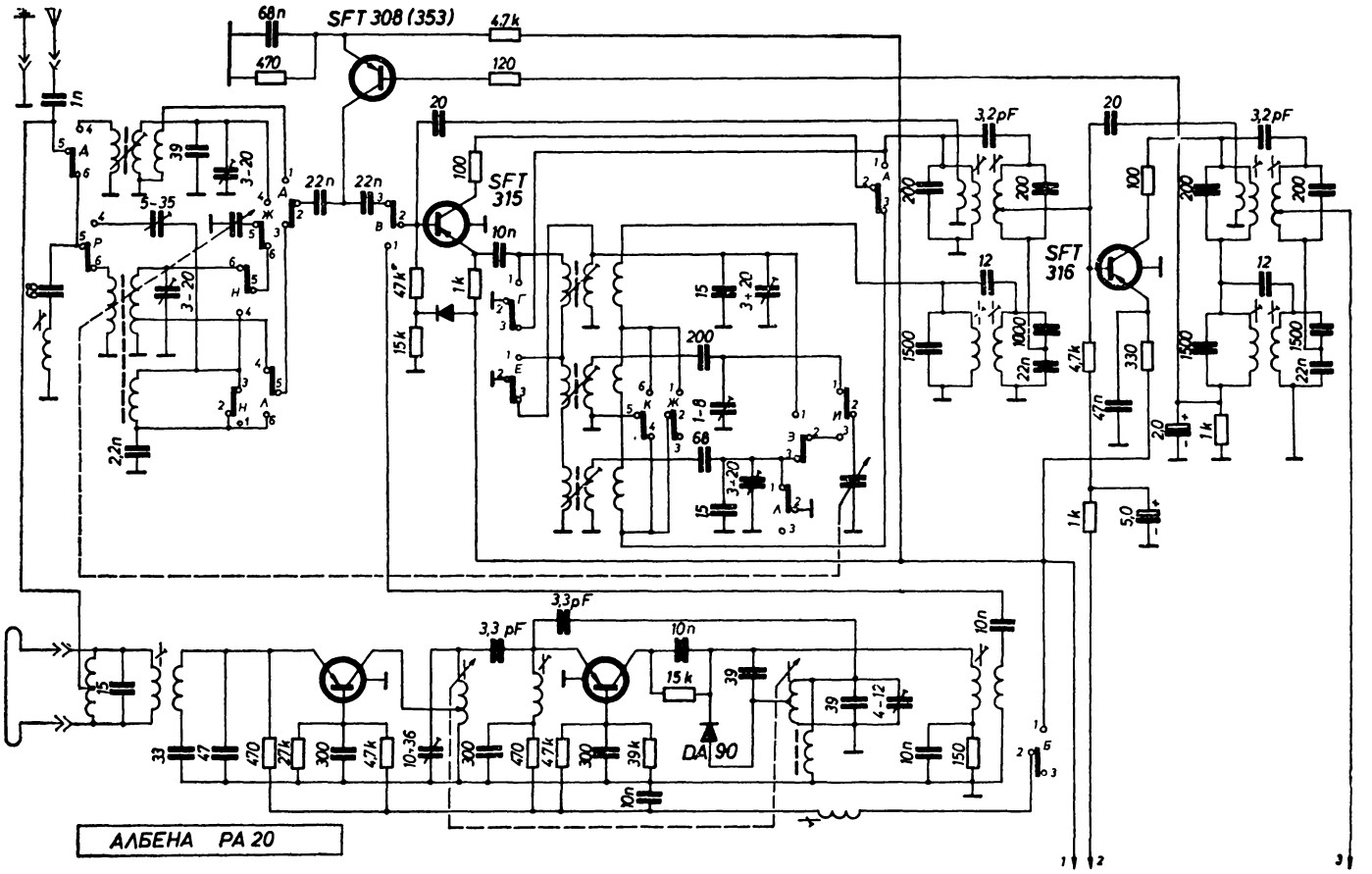
ЧАСТ I

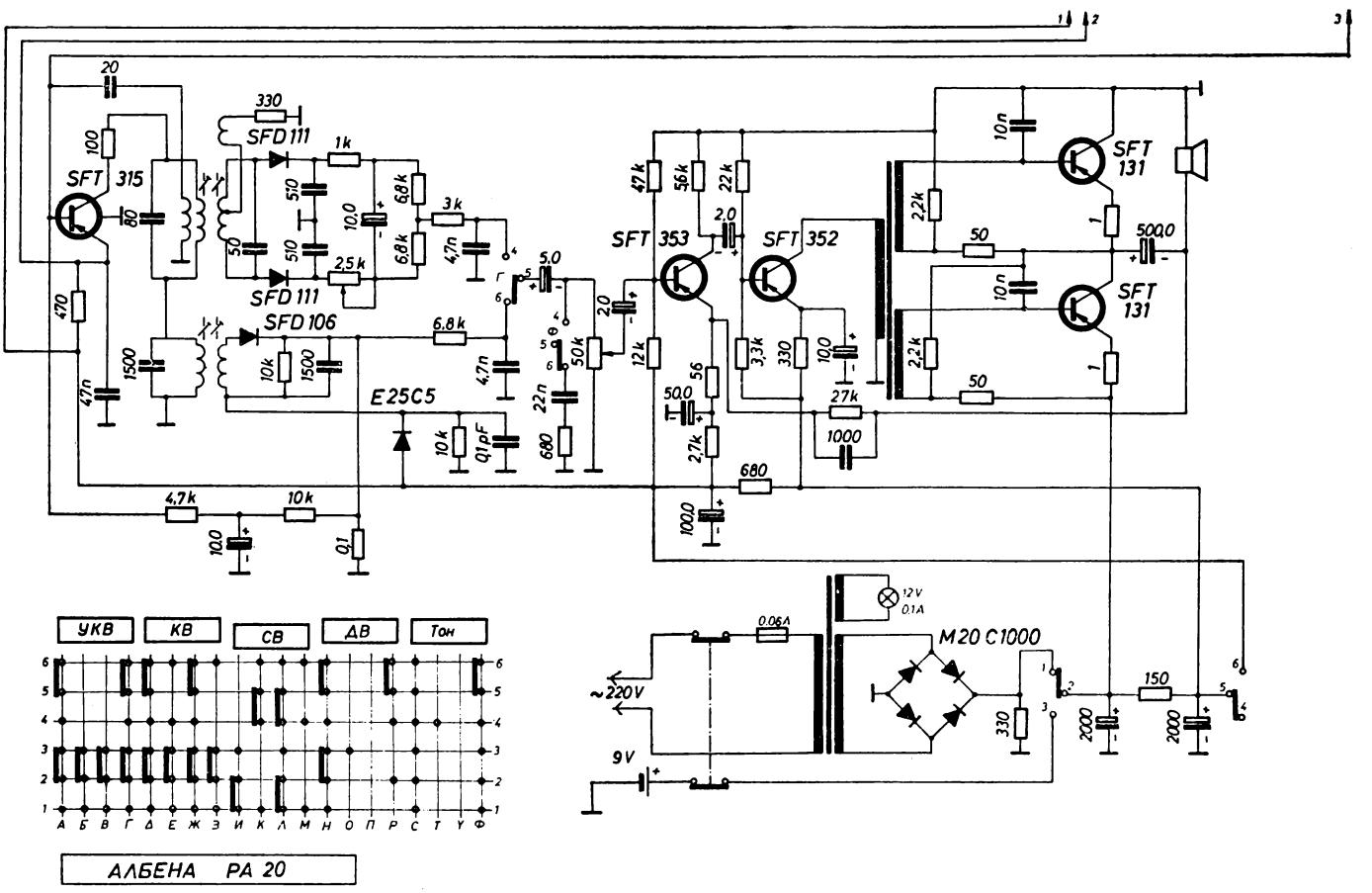
ТРАНЗИСТОРНИ РАДИОПРИЕМНИЦИ

БЪЛГАРСКИ РАДИОПРИЕМНИЦИ

АЛБЕНА РА 20-0

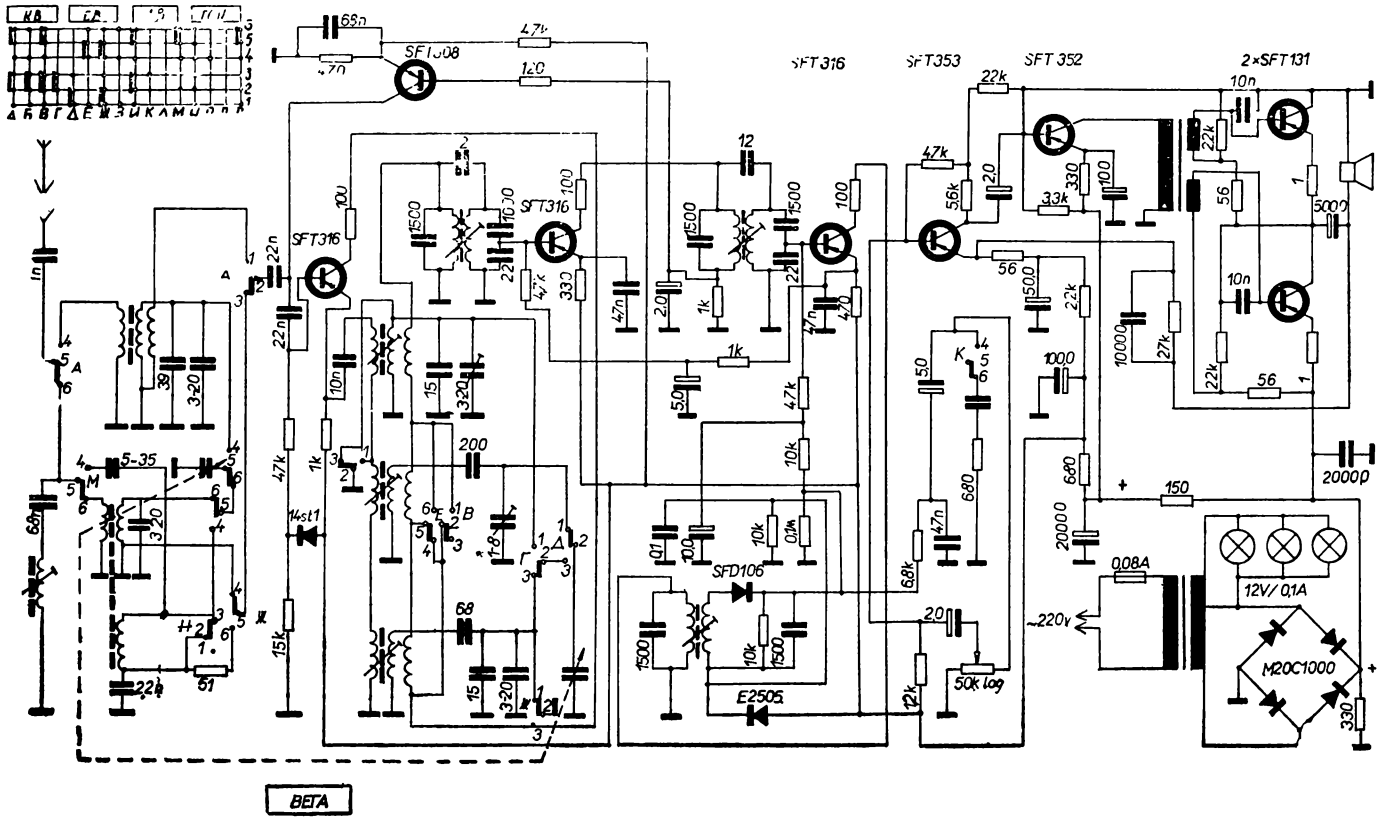
Обхват: УКВ 73÷64,5 MHz ДВ 150÷ 300 кHz
КВ 5,5÷12,5 MHz МЧ = 468 кHz
СВ 520÷1600 кHz





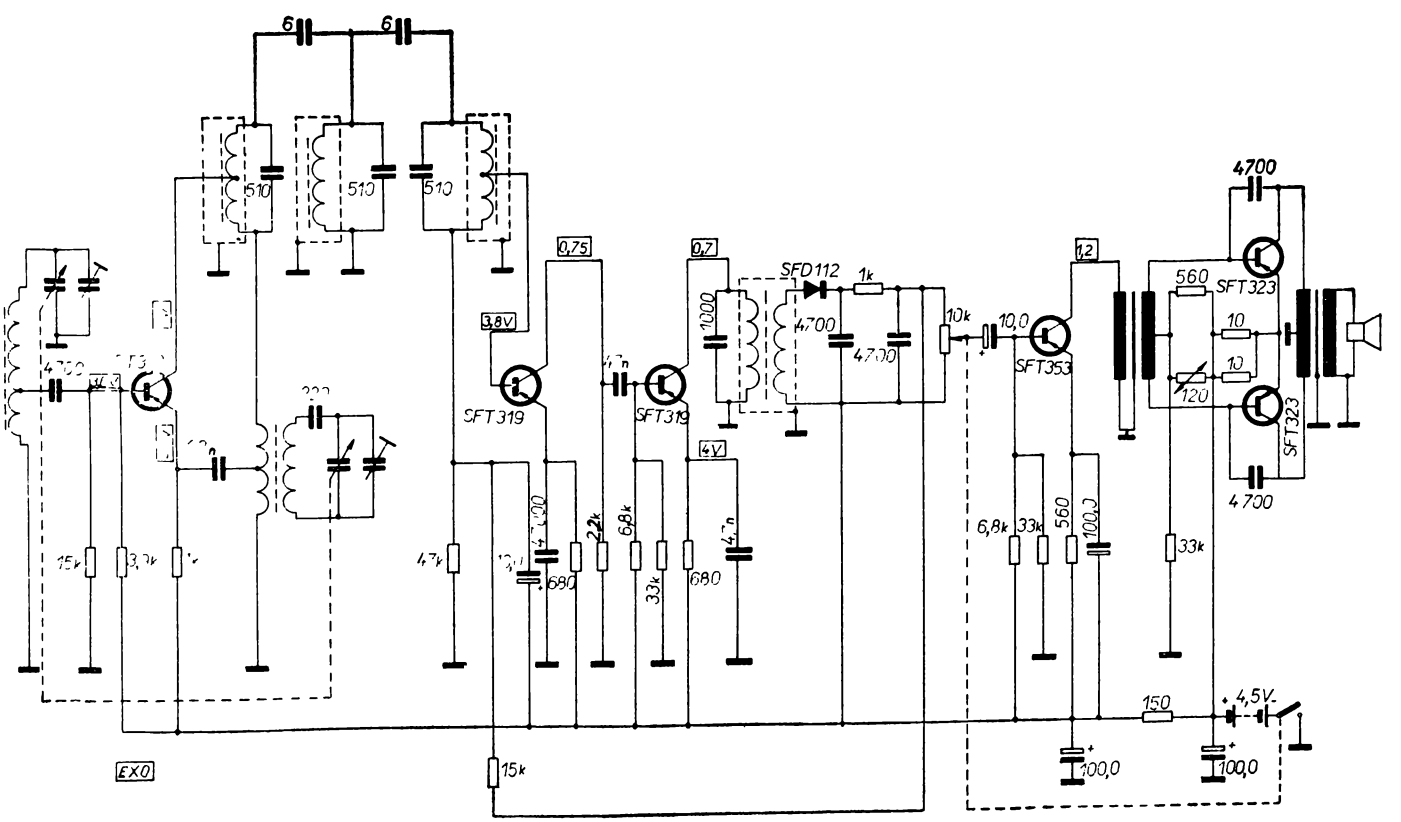
ВЕГА

Обхват : КВ 5,8÷12,5 MHz
СВ 520÷1600 кHz
ДВ 150÷300 кHz
МЧ = 468 кHz



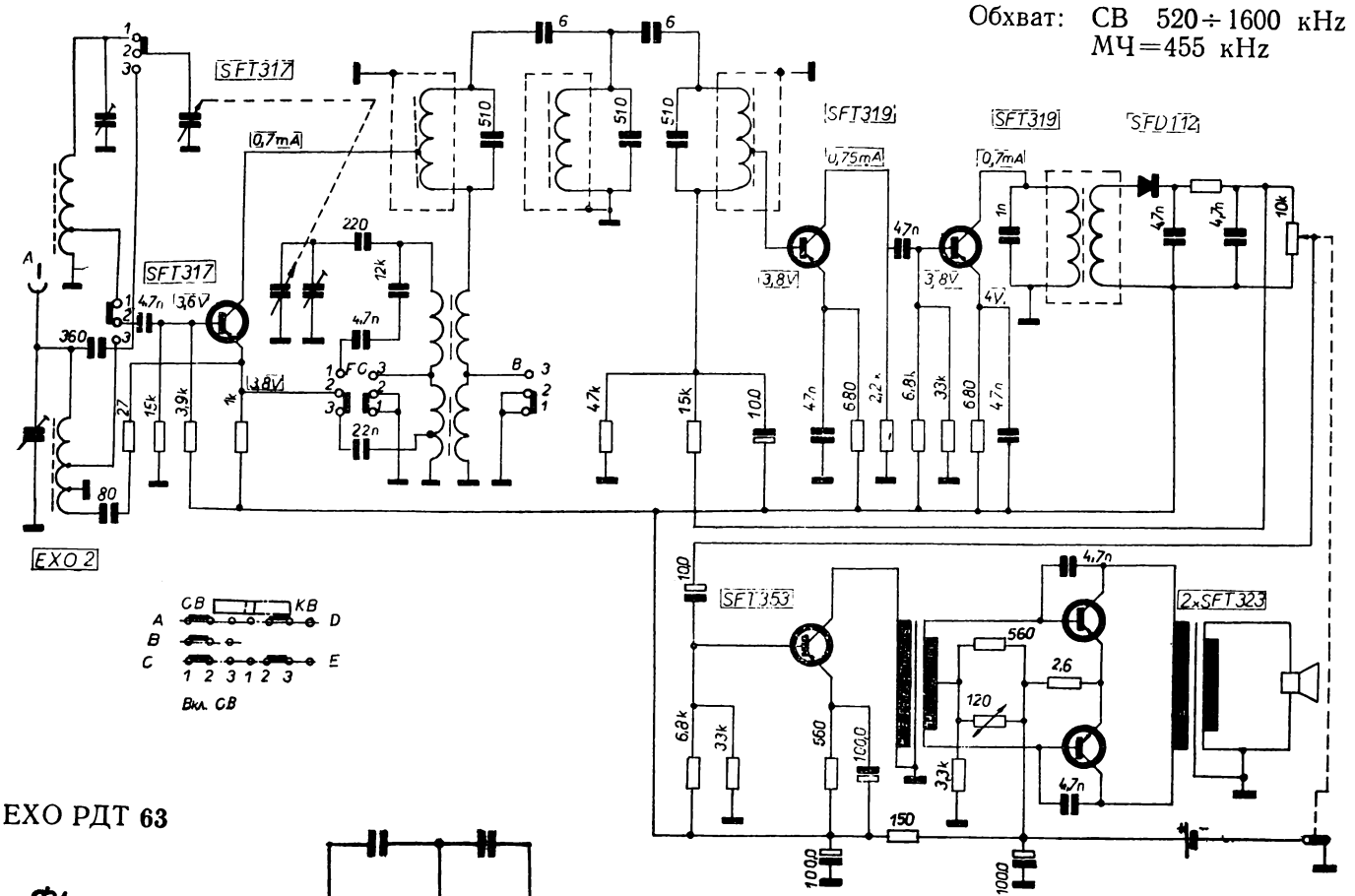
EXO 1

Обхват: СВ 520÷1600 кHz
МЧ=455 кHz



ЕХО 2

Обхват: СВ 520÷1600 kHz
МЧ=455 kHz



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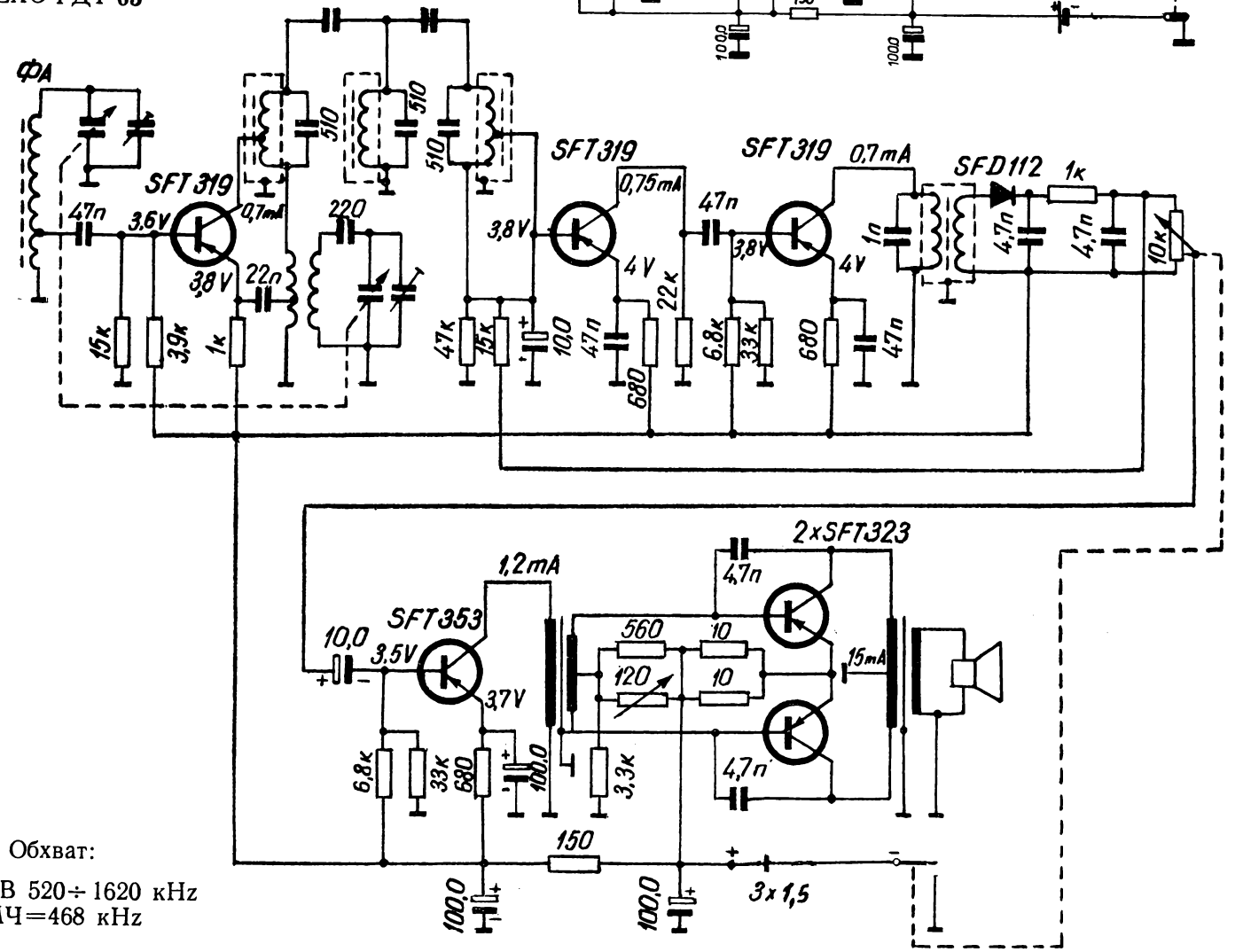
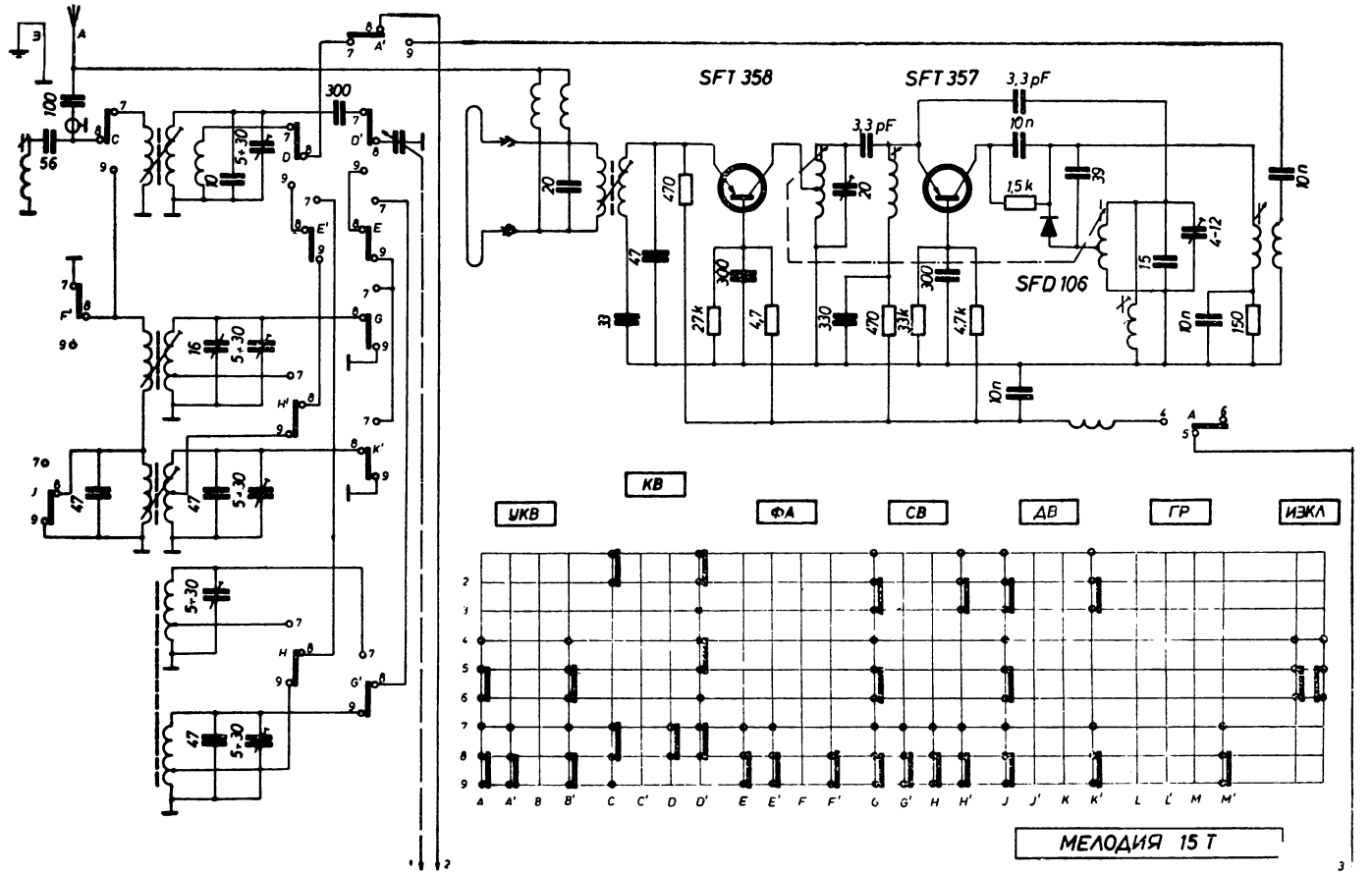


Обхват:
СВ 520÷1620 kHz
МЧ=468 kHz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КВ
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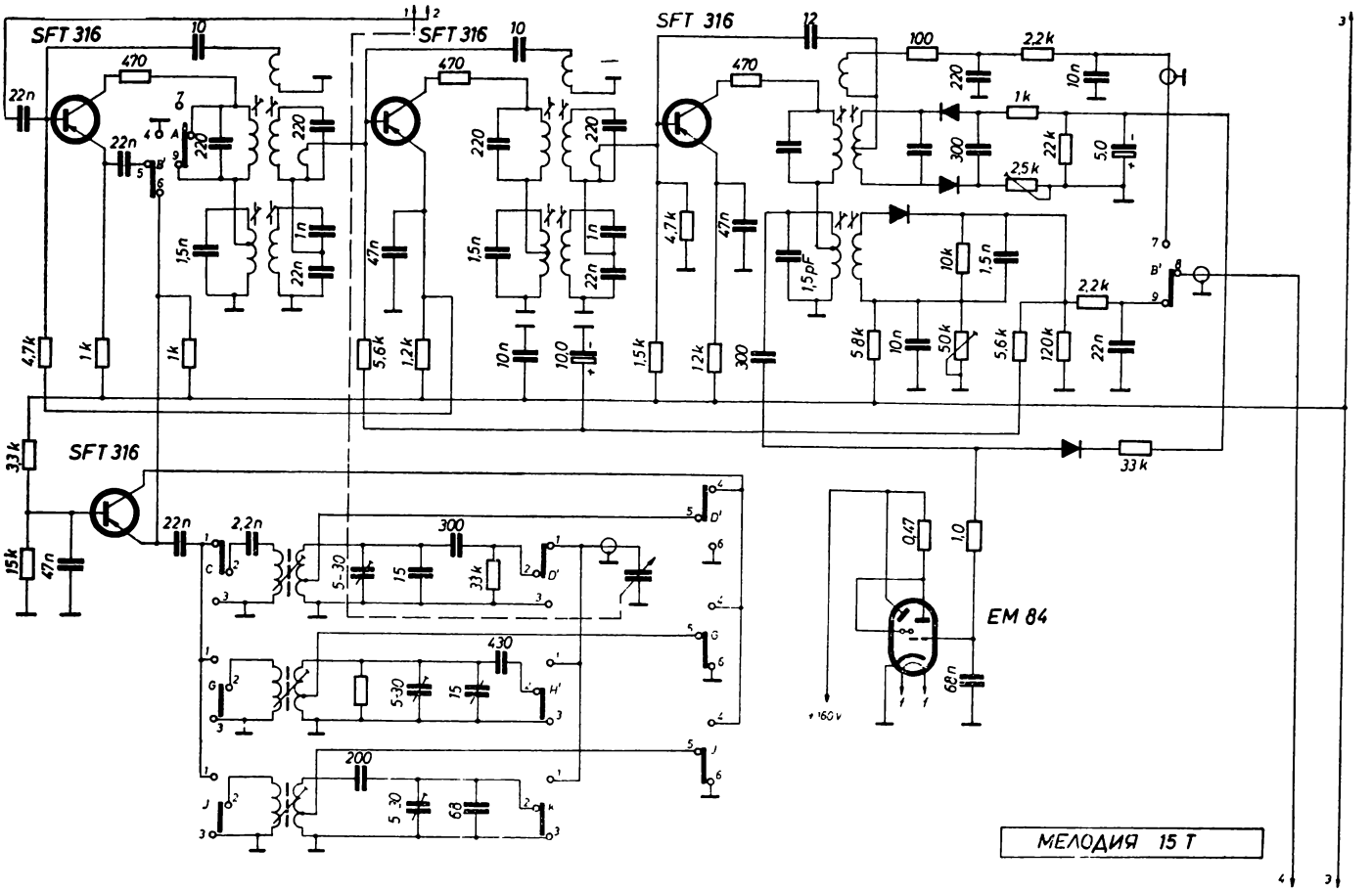
СВ
ДВ
ГР
ИЗКЛ
МЕЛОДИЯ 15 Т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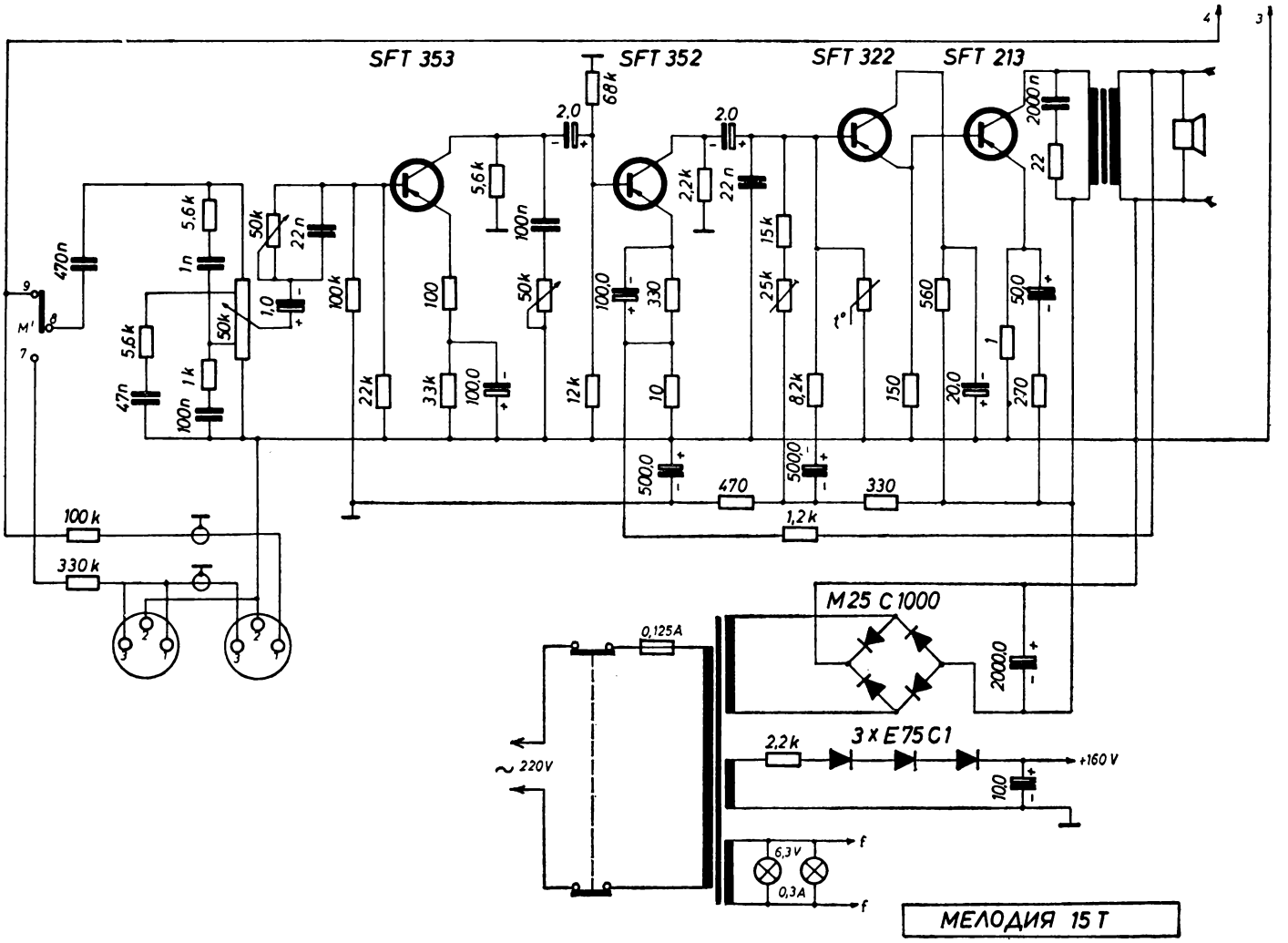
SFT 316
SFT 316
SFT 316
EM 84
МЕЛОДИЯ 15 Т

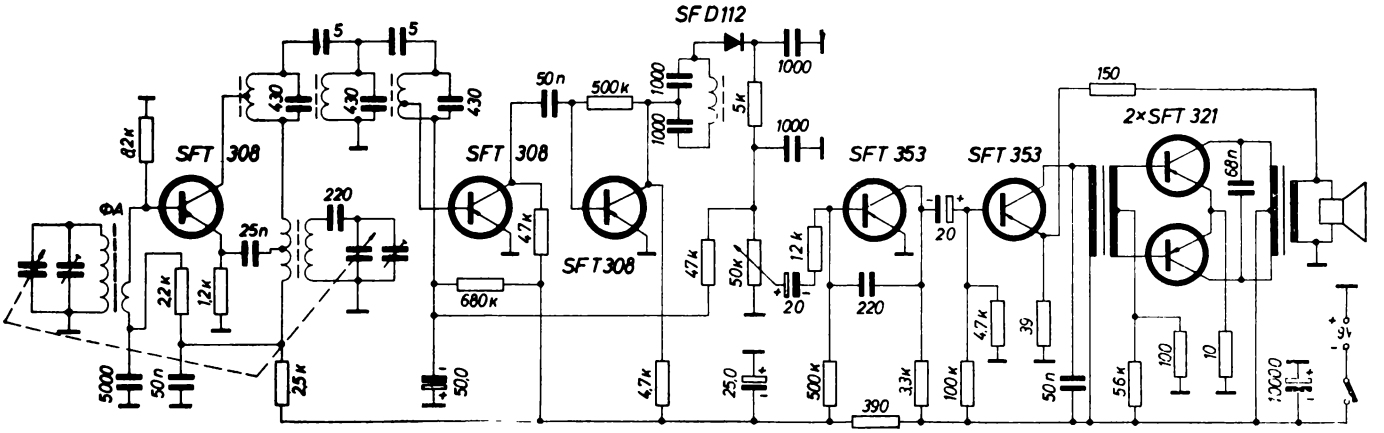
МЕЛОДІІЯ 15 Т

Обхват: УКВ 73÷64,5 MHz
КВ 5,8÷12,5 MHz
СВ 520÷1600 кHz
ДВ 150÷300 кHz
МЧ =468 кHz



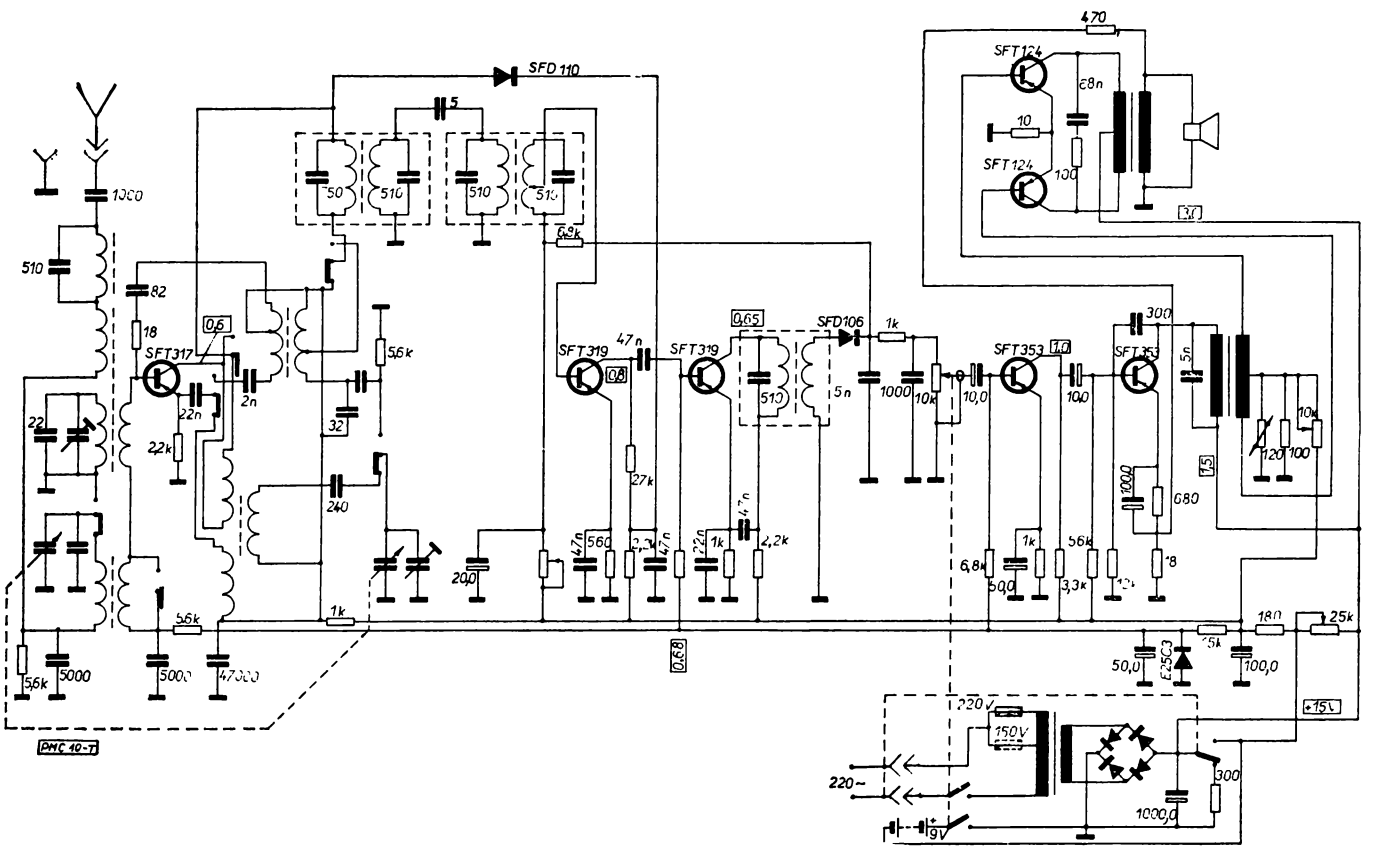
ПРОГРЕС

Обхват: СВ 520÷1620 кHz
МЧ=468 кHz



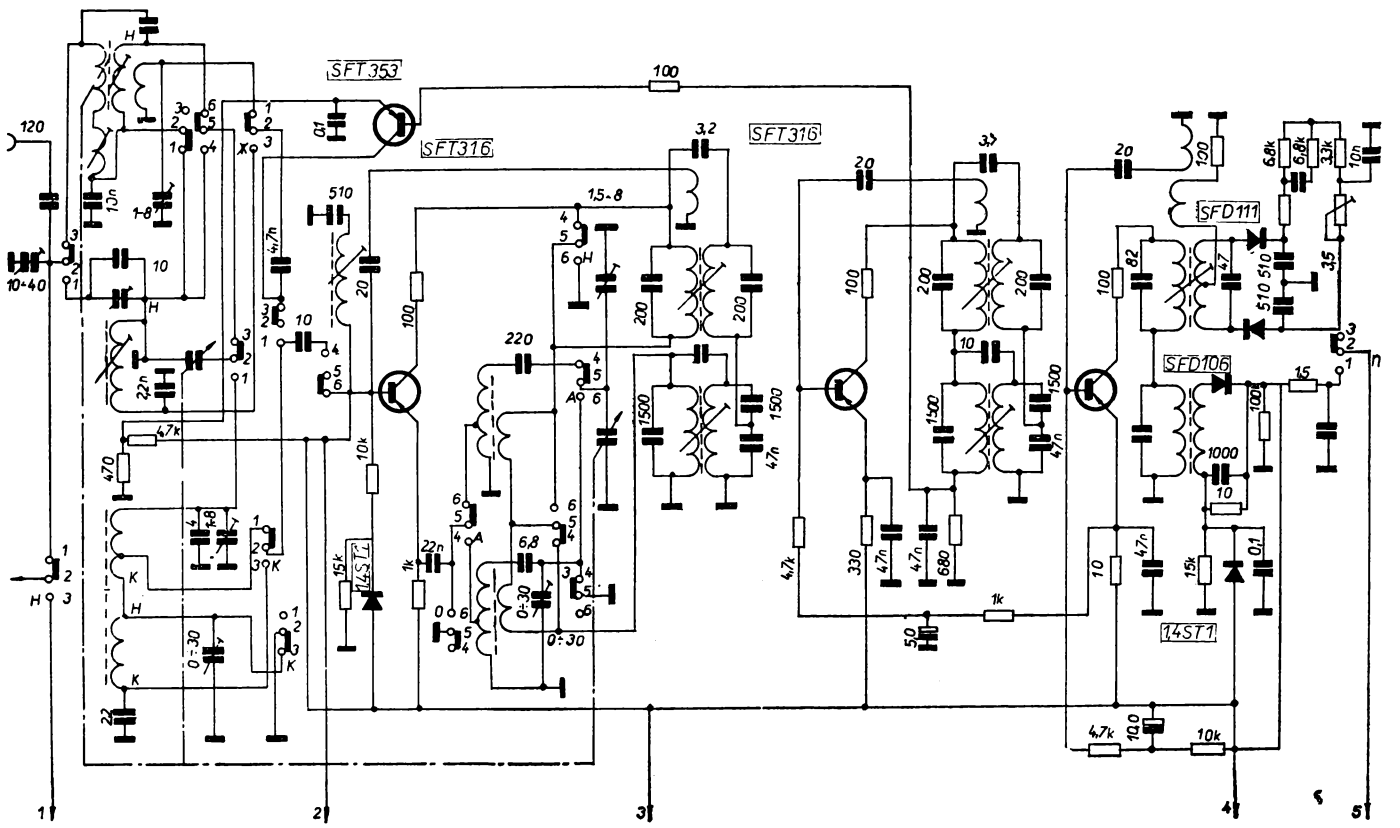
РМС 10-Т

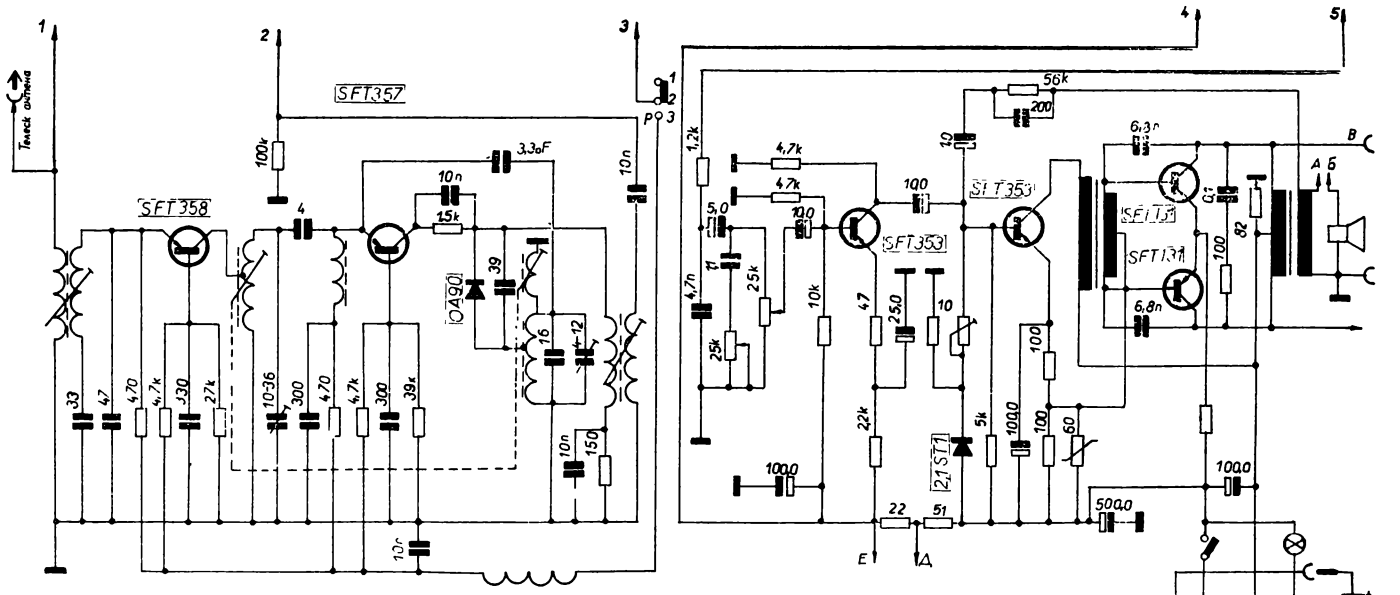
Обхват : КВ 5,8÷12 MHz
СВ 520÷1600 кHz
МЧ=468 кHz



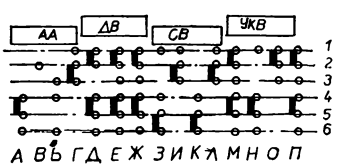
УНИВЕРСАЛ РУ-0

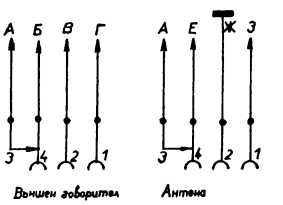
Обхват: УКВ 65÷73 MHz
(88÷104 MHz)
СВ 520÷1600 кHz
ДВ 150÷ 300 кHz
МЧ=468 кHz

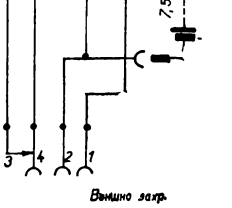




УНИВЕРСАЛ РУ-О



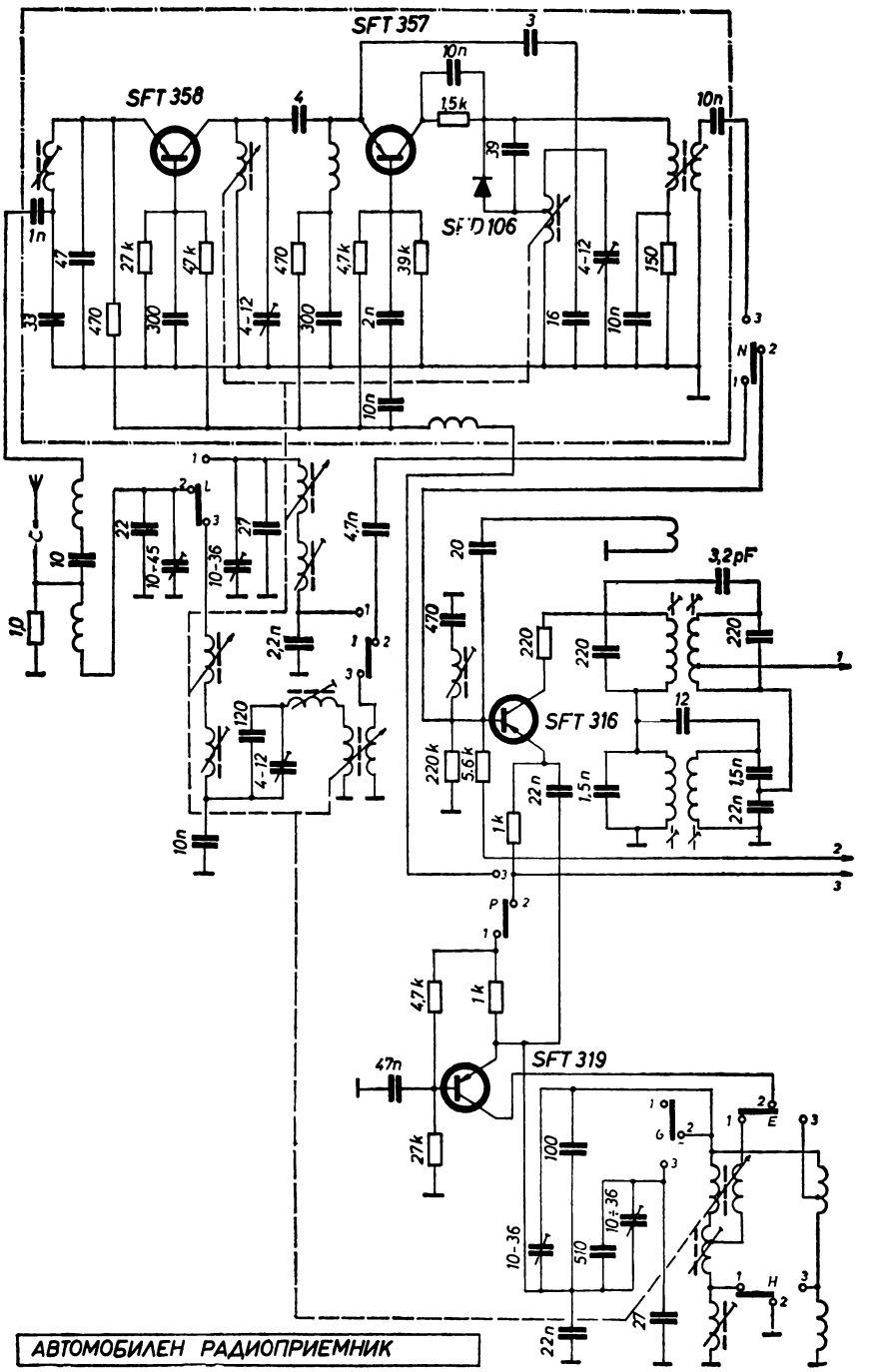




АВТОМОБИЛЕН ПРИЕМНИК
(за Москвич и Булгаррено)

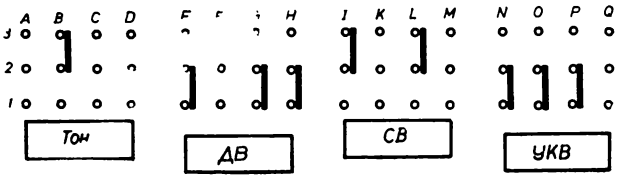
Обхват:

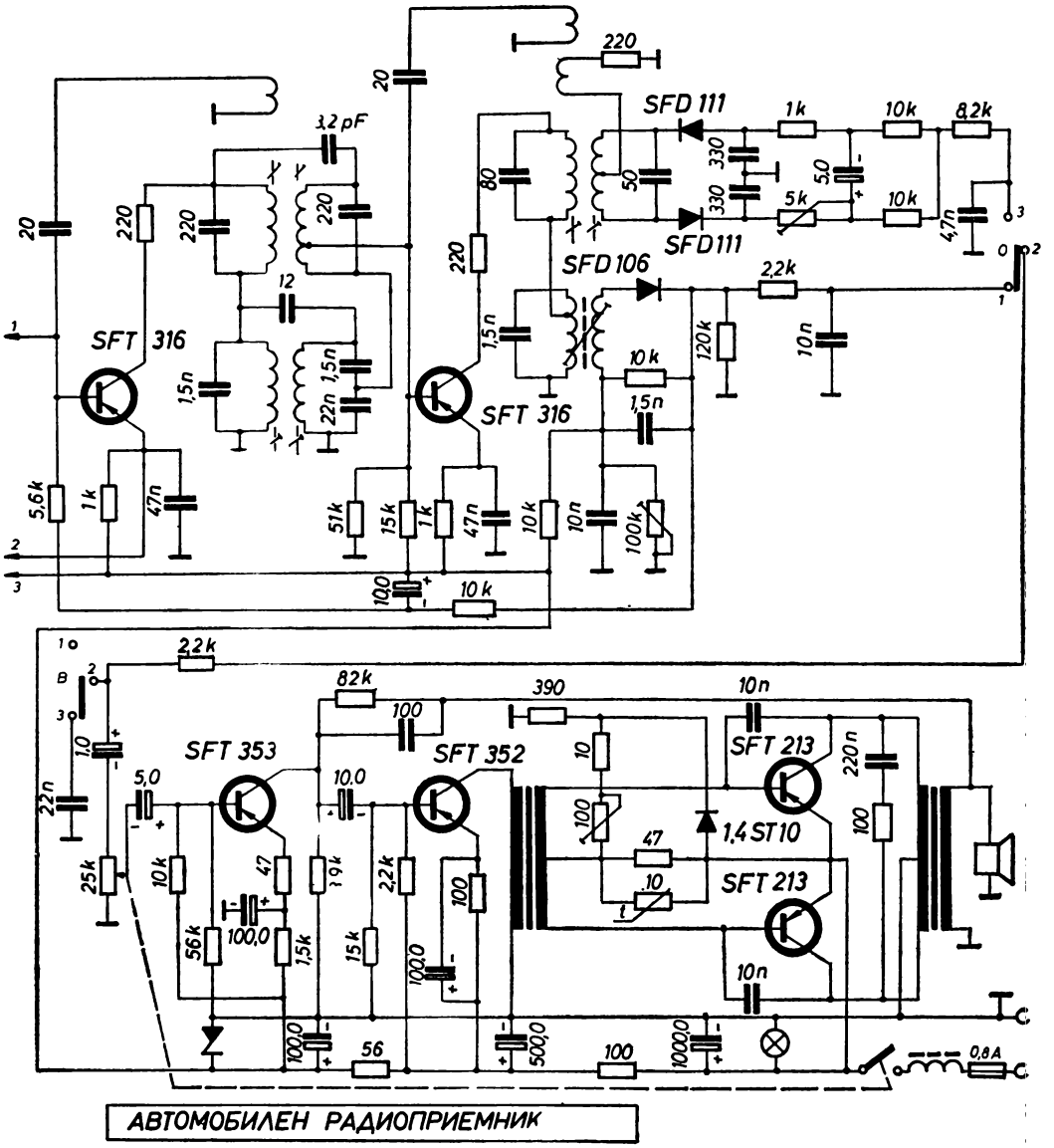
УКВ	73÷64,5	MHz
СВ	520÷1600	кHz
ДВ	150÷300	кHz
МЧ	468	кHz



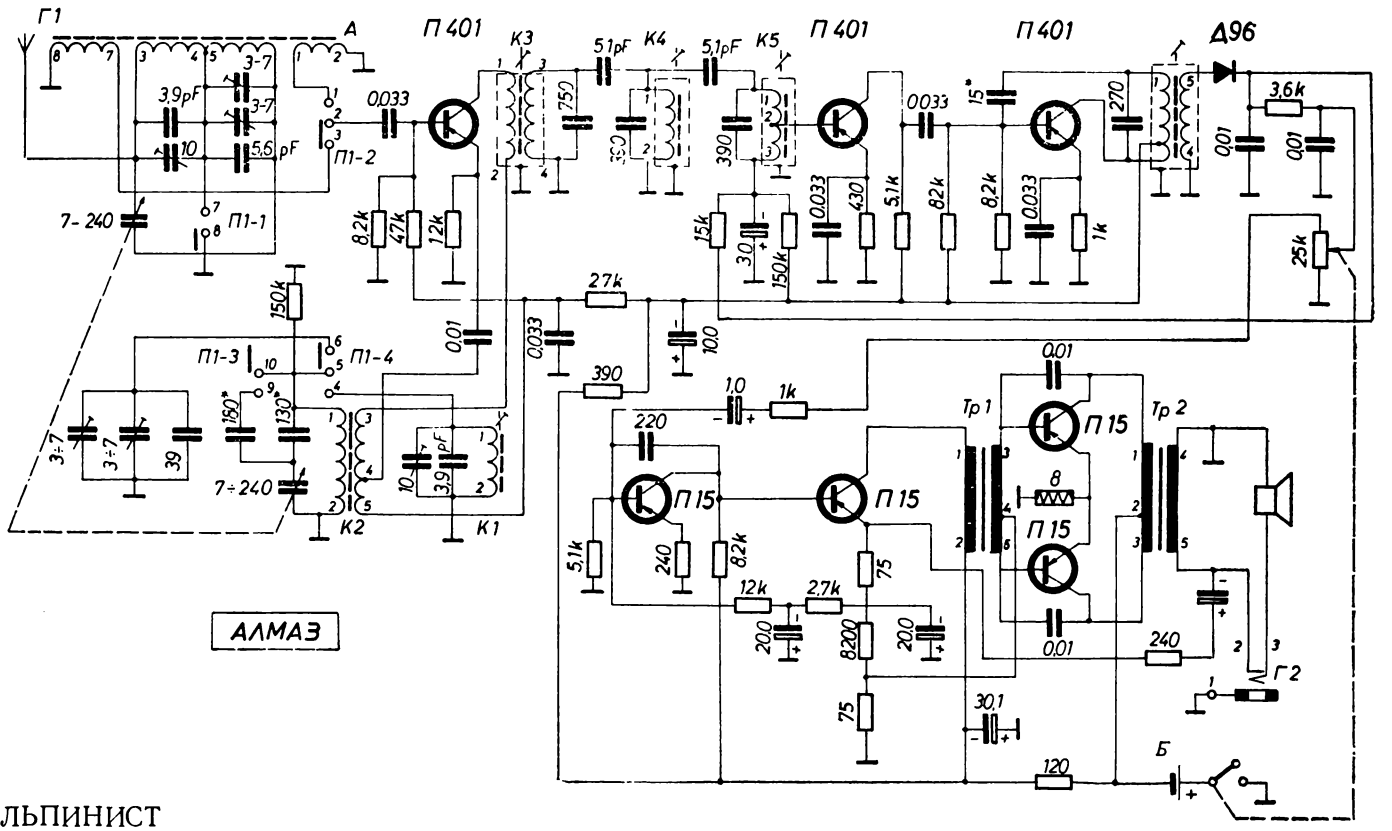
АВТОМОБИЛЕН ПРИЕМНИК

за Москвич Булгаррено

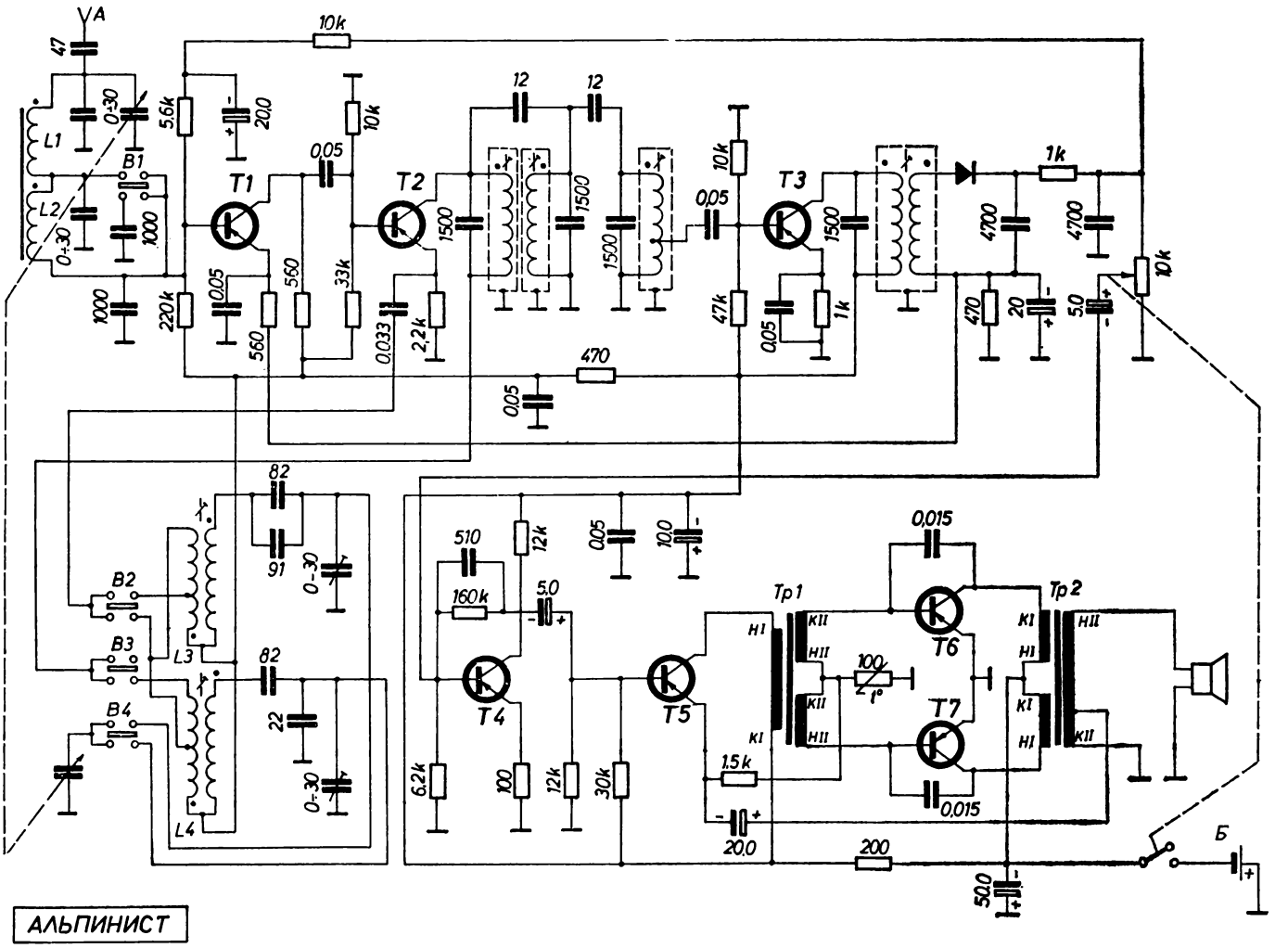




АЛМАЗ

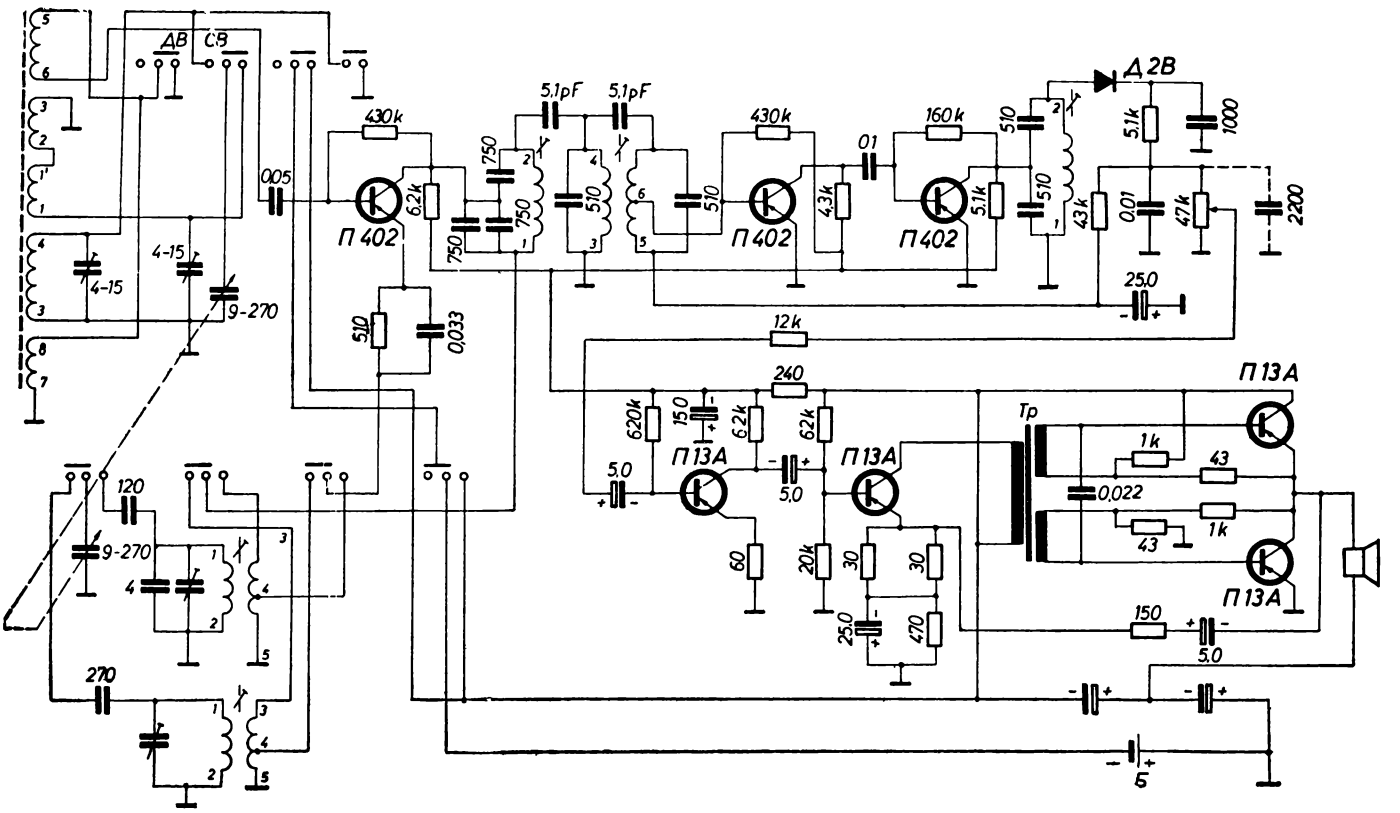


АЛЬПИНИСТ



АТМОСФЕРА

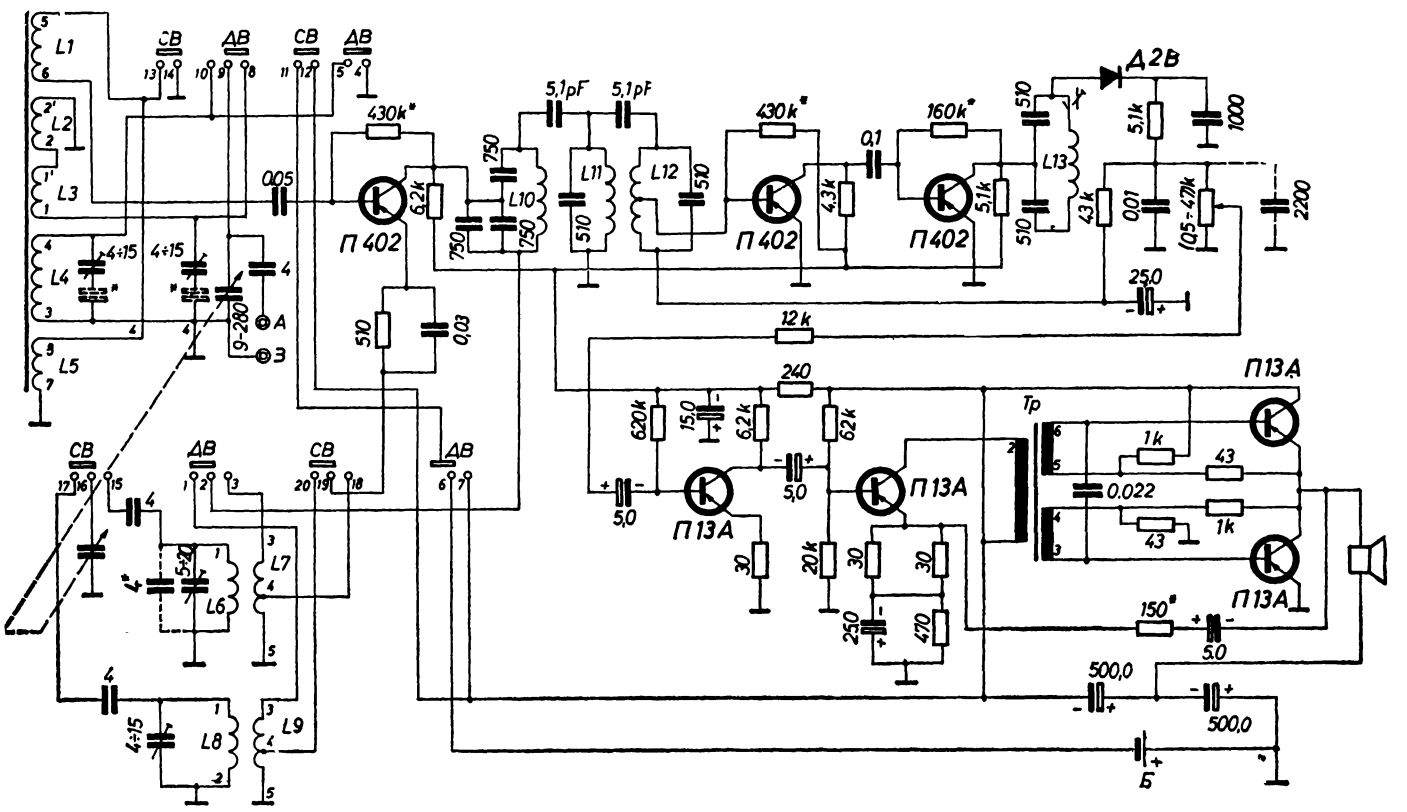
Обхват: СВ, ДВ
МЧ=465 кНz



АТМОСФЕРА

АТМОСФЕРА 2

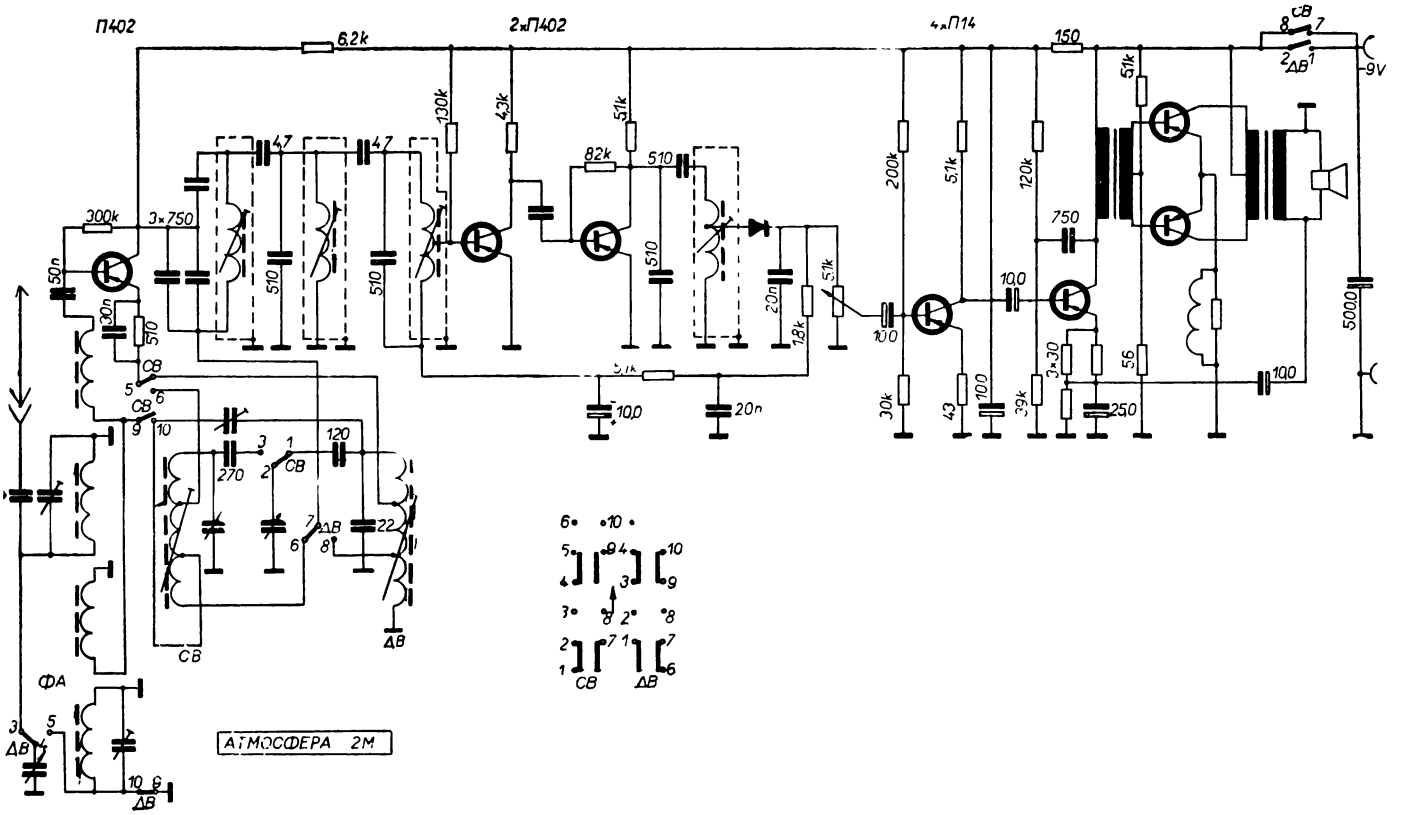
Обхват: СВ, ДВ
МЧ=465 кНz

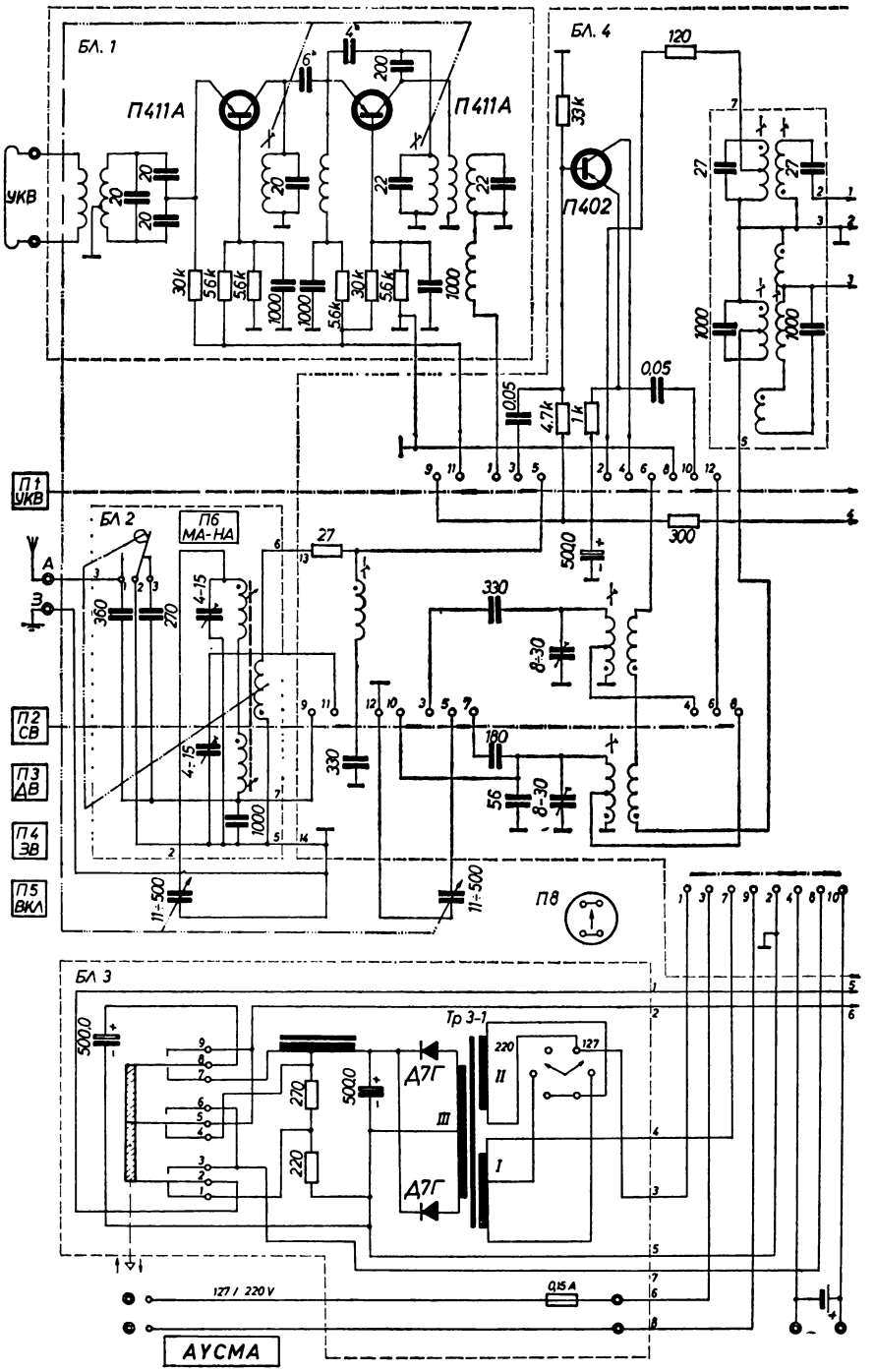


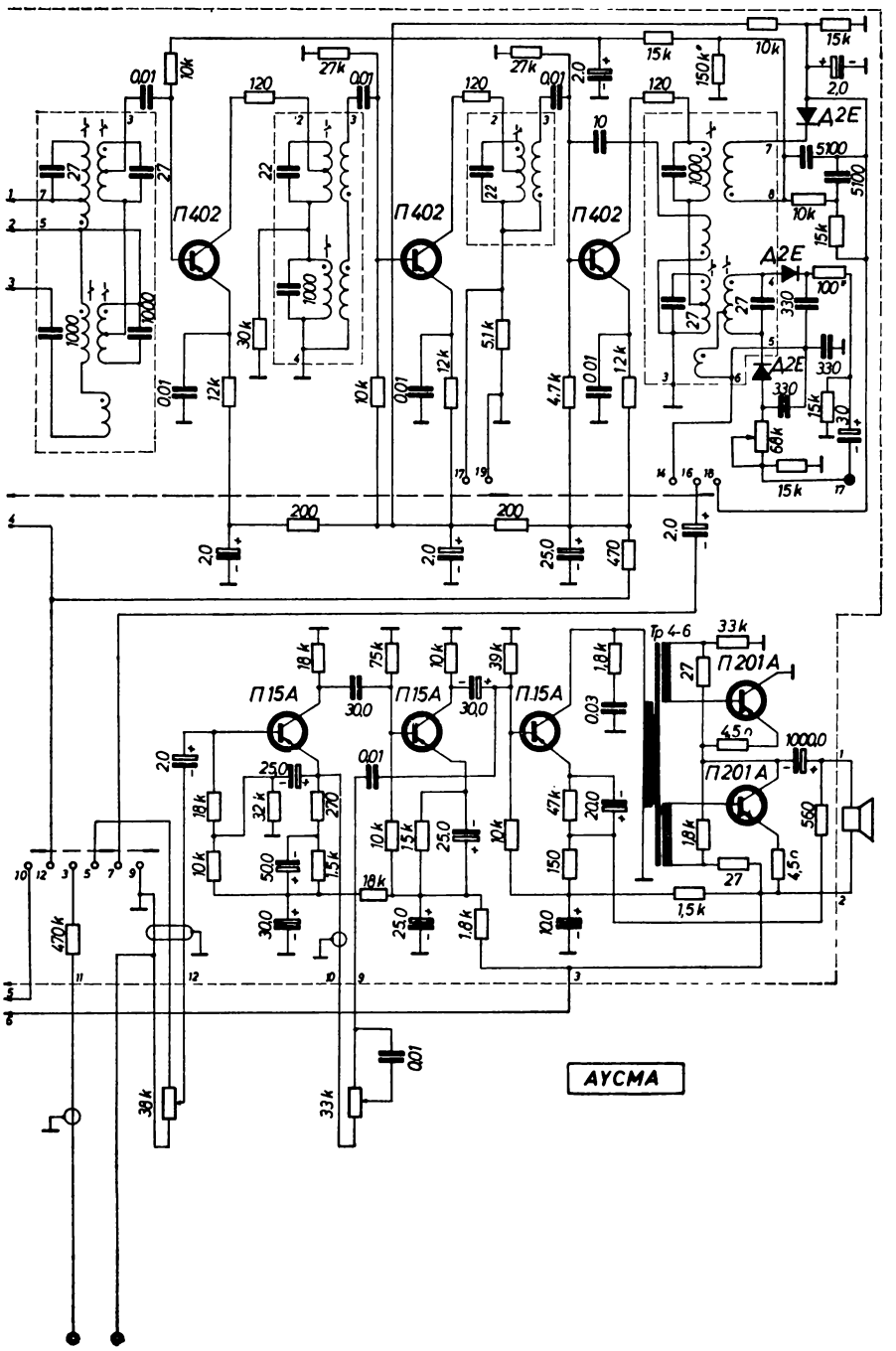
АТМОСФЕРА – 2

АТМОСФЕРА 2М

Обхват: СВ 520÷1600 kHz
ДВ 150÷415 kHz
МЧ=465 kHz

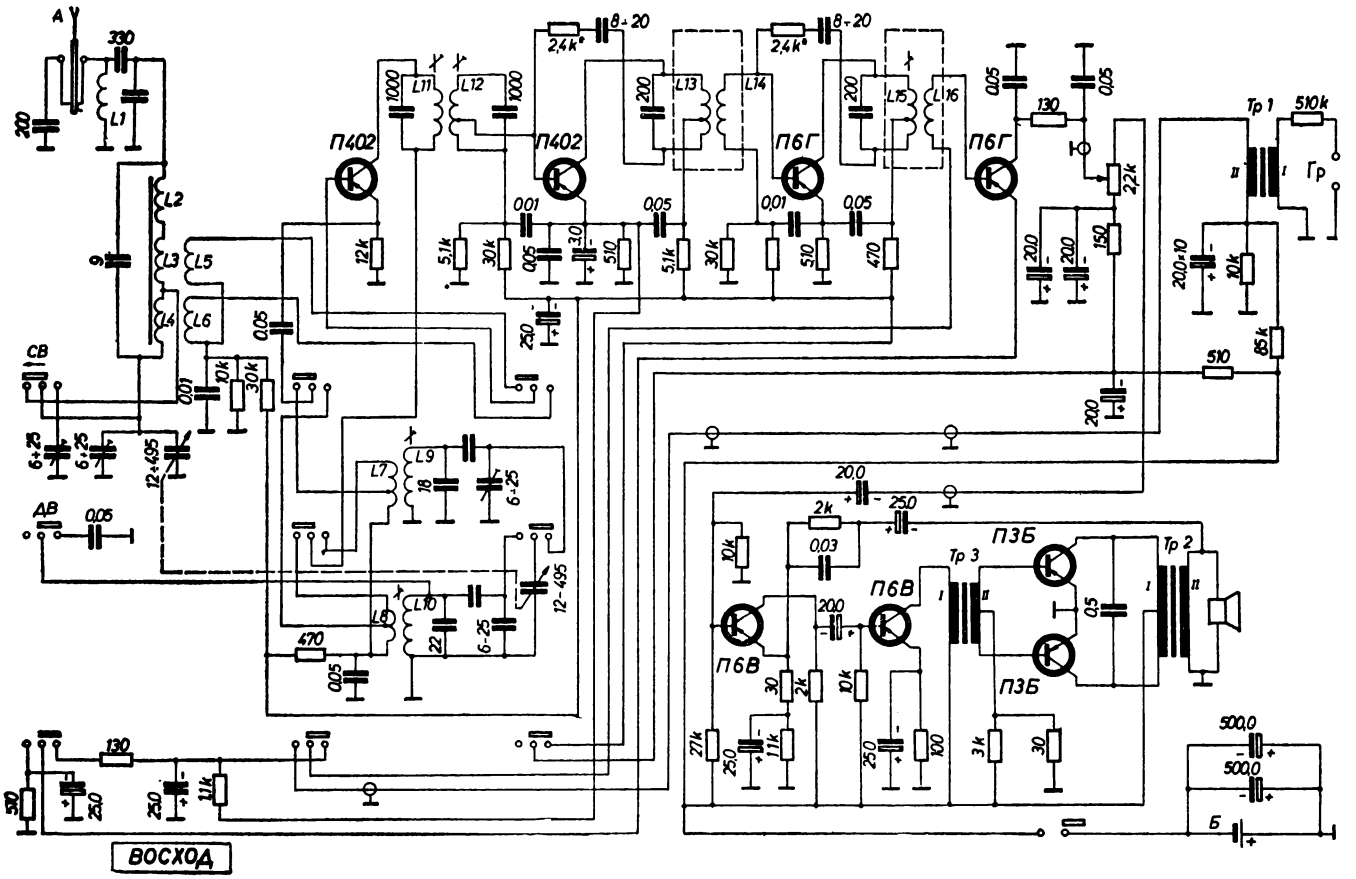



БЛ. 1
П411А
П411А
УКВ
БЛ. 4
П402
120
33k
П1 УКВ
БЛ 2
П6 МА-НА
А
З
П2 СВ
П3 ДВ
П4 ЗВ
П5 ВКЛ
П8
БЛ 3
Тр 3-1
Д7Г
Д7Г
220
127
127 / 220 V
0,15 А
АУСМА

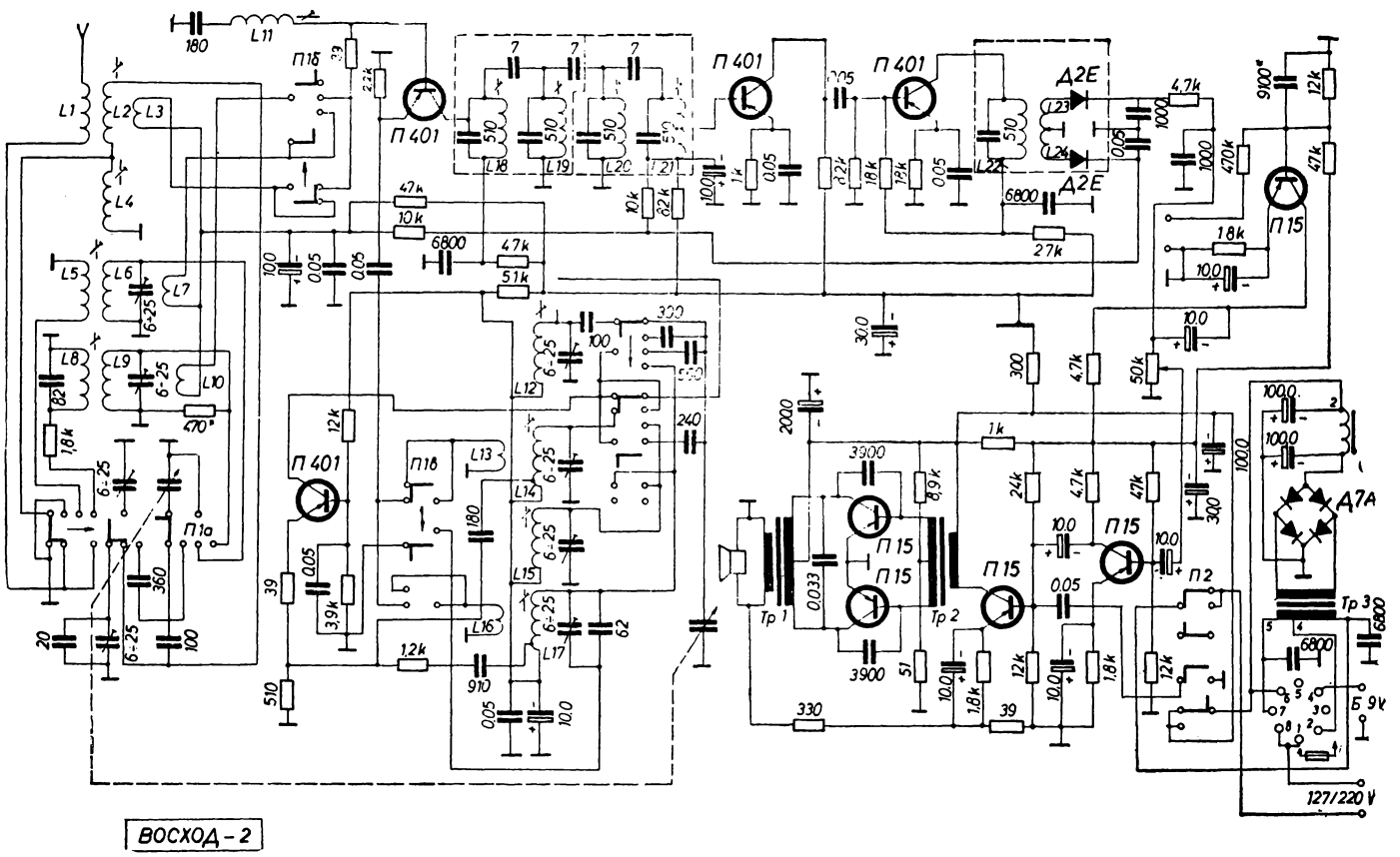

П402
П402
П402
А2Е
А2Е
А2Е
П15А
П15А
П15А
П201А
П201А
Тр 4-6
АУСМА

ВОСХОД

Обхват: СВ 520÷1615 кHz
ДВ 150÷415 кHz
МЧ=465 кHz

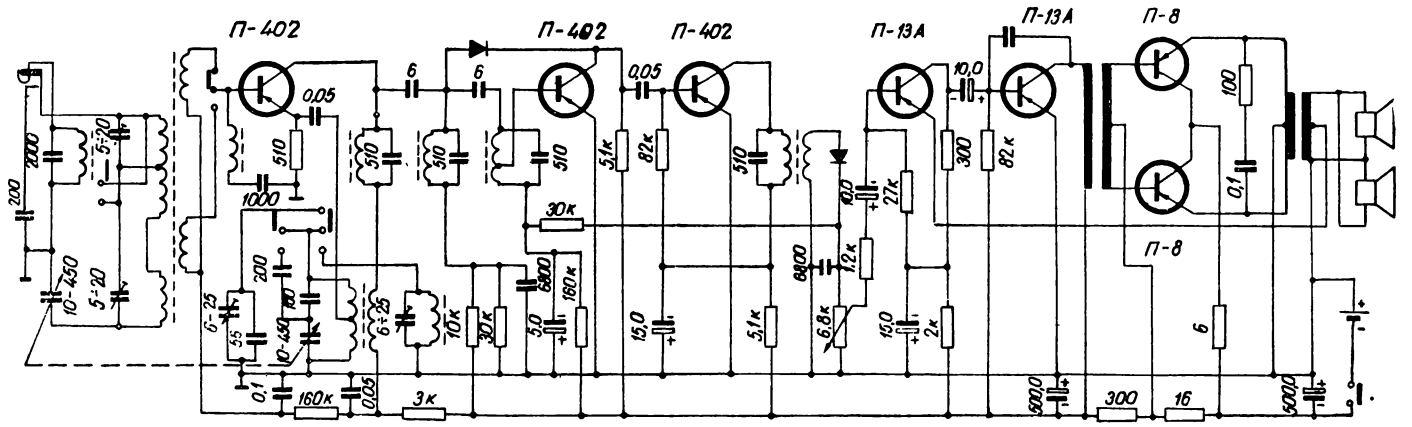


ВОСХОД 2

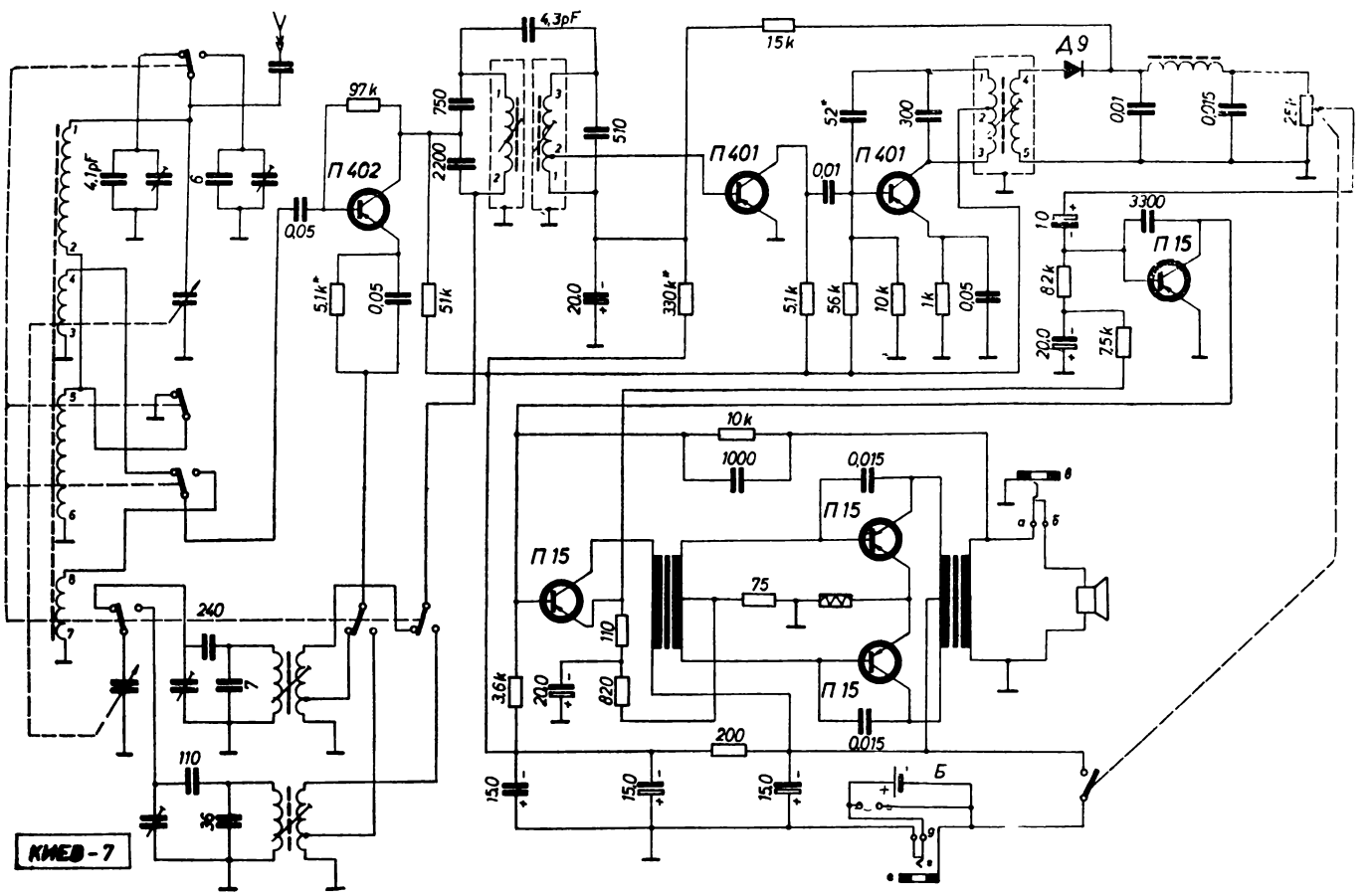


GAUJA

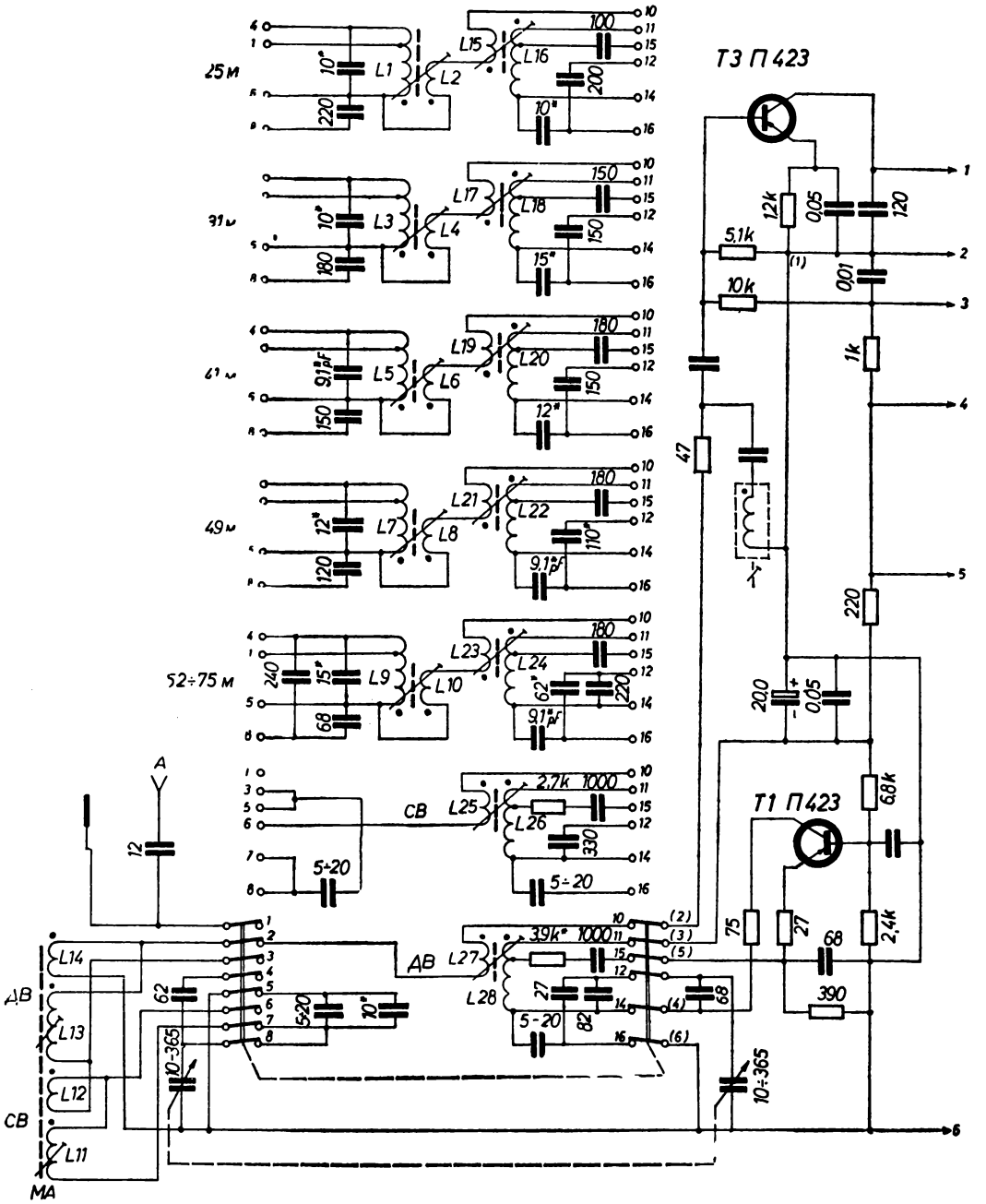
Обхват: СВ, ДВ
МЧ=465 кHz



КИЕВ 7

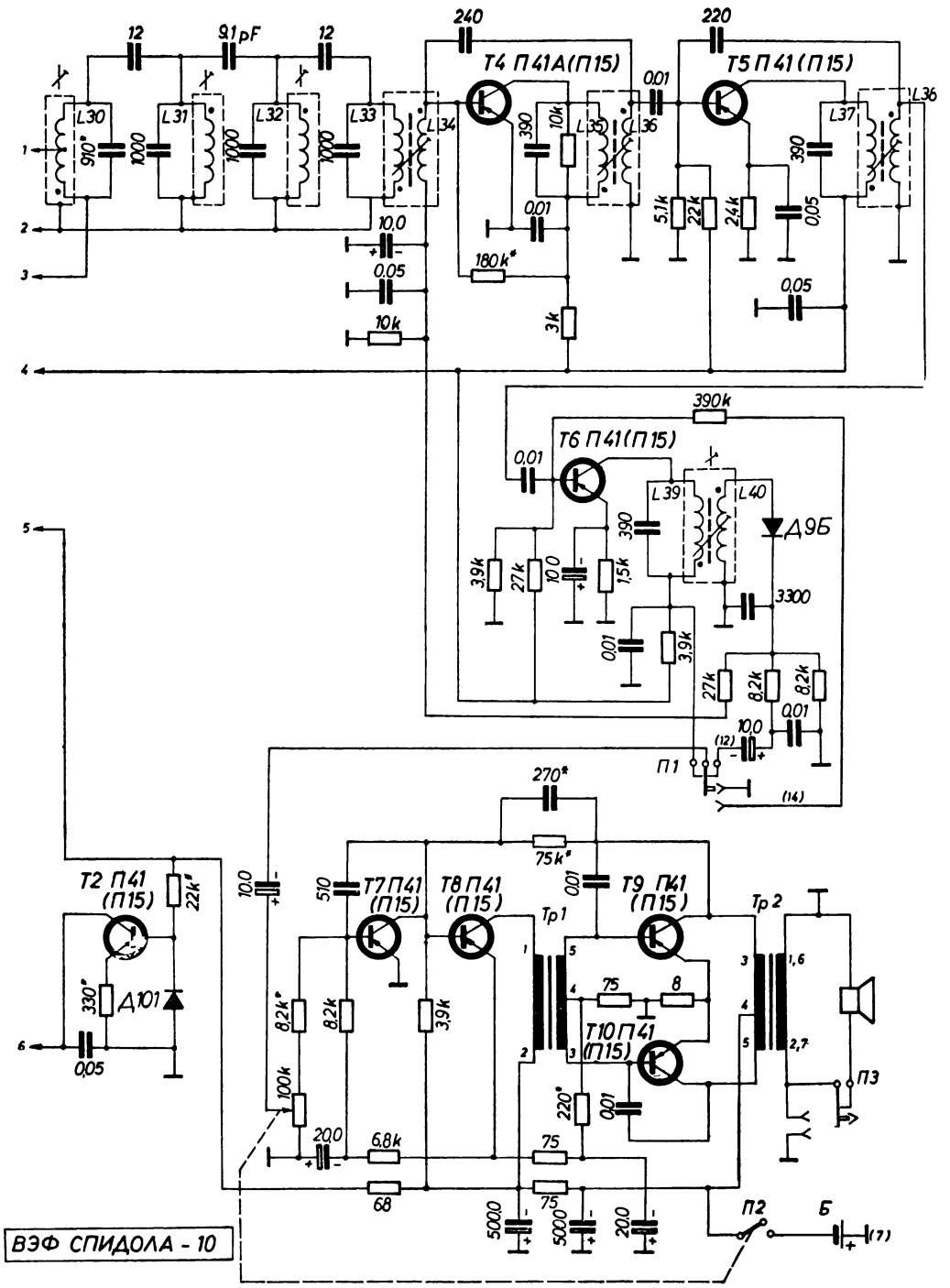


Обхват: KBI 11,6÷12,0 MHz
KBII 8,4÷9,9 MHz
KBIII 7,0÷7,4 MHz
KBIV 5,8÷6,3 MHz

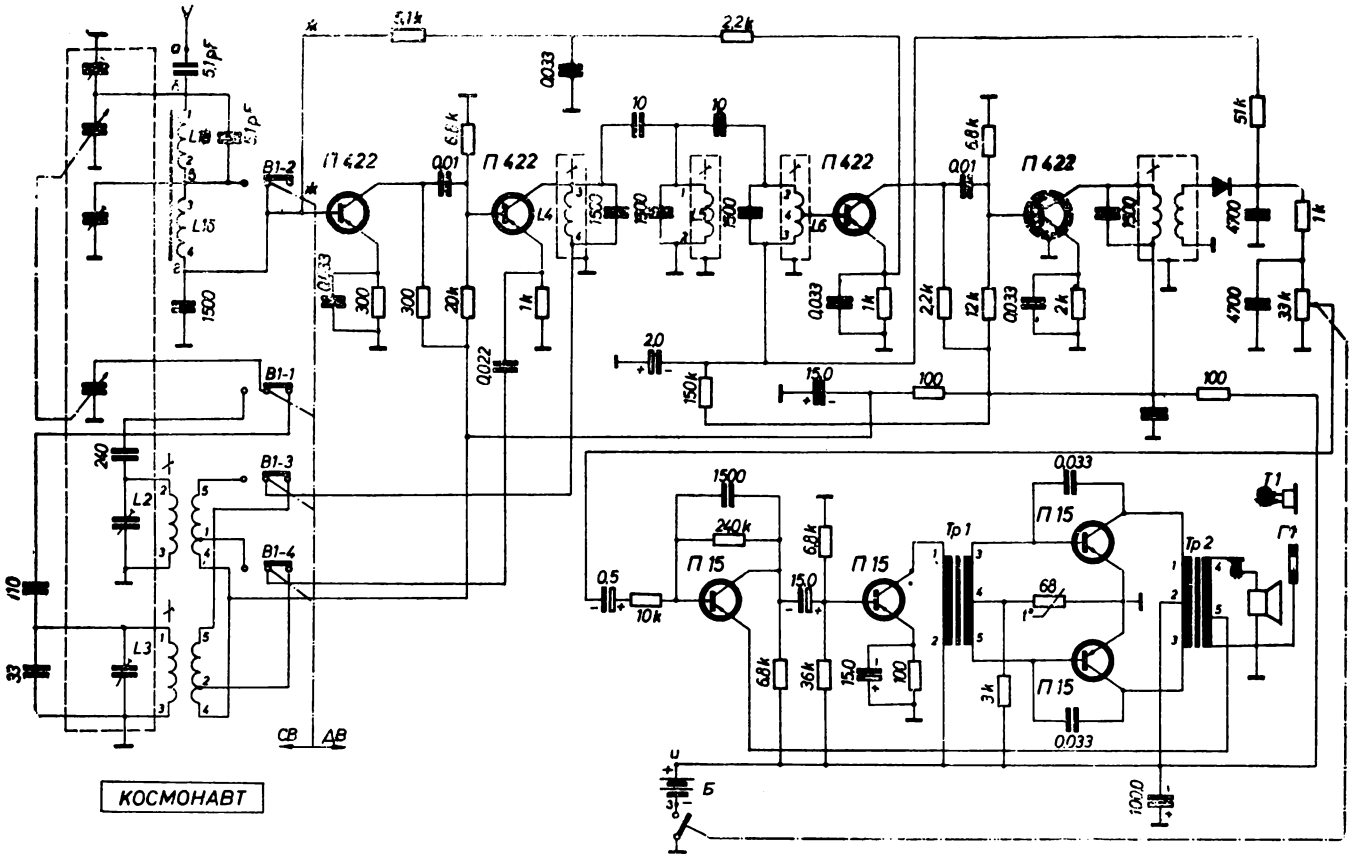


ВЭФ СПИДОЛА - 10

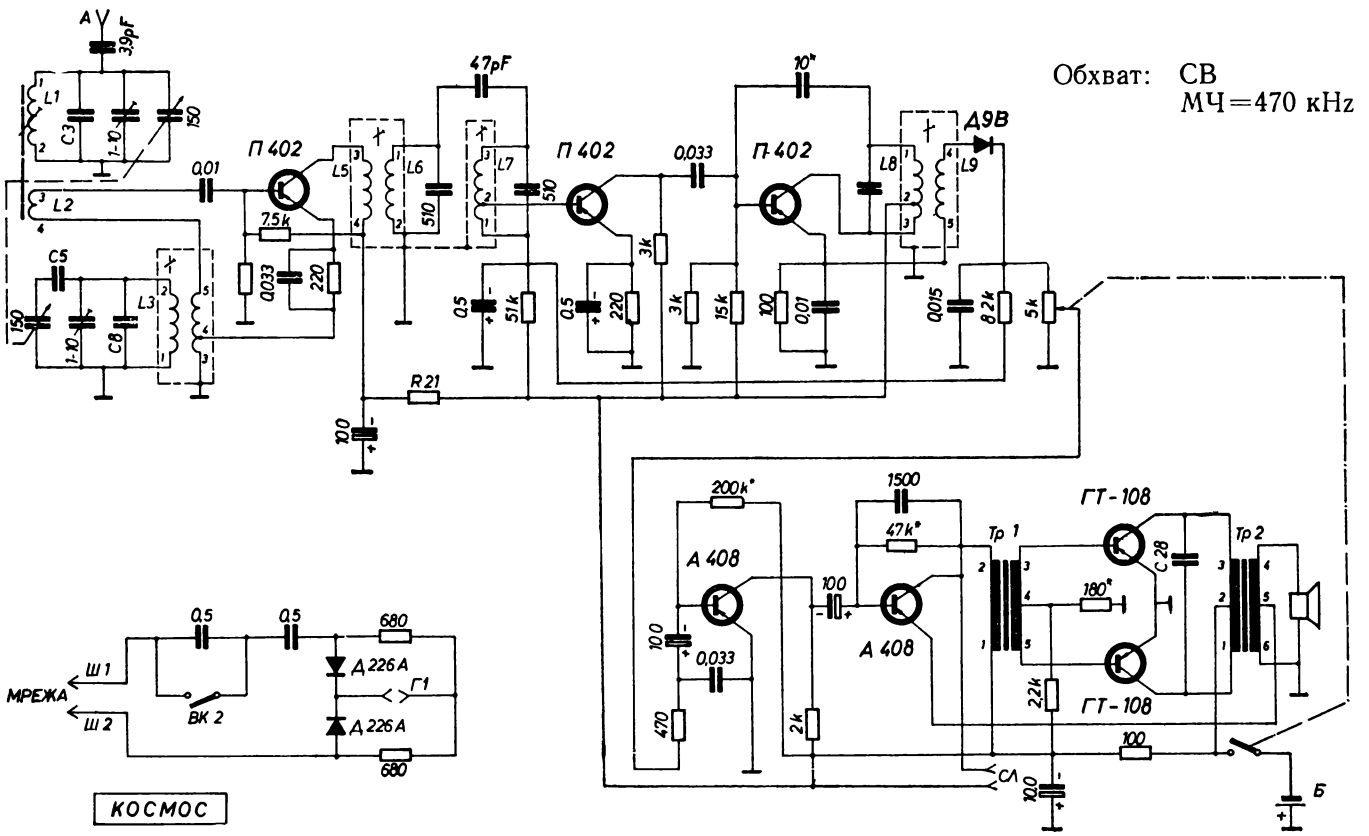
KBV 4,0÷5,8 MHz
СВ 525÷1605 кHz
ДВ 150÷405 кHz
МЧ =465 кHz



КОСМОНАВТ

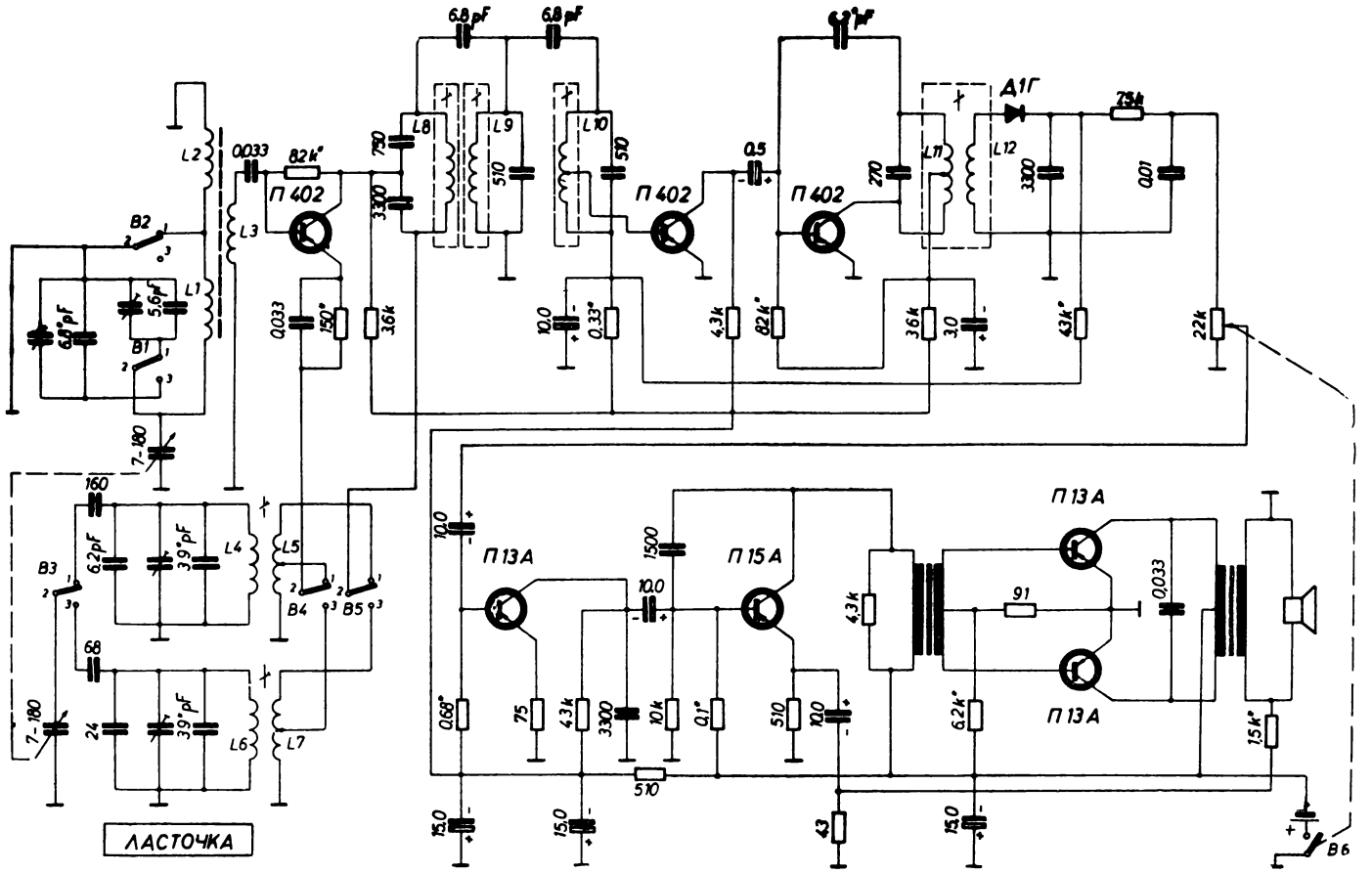


КОСМОС

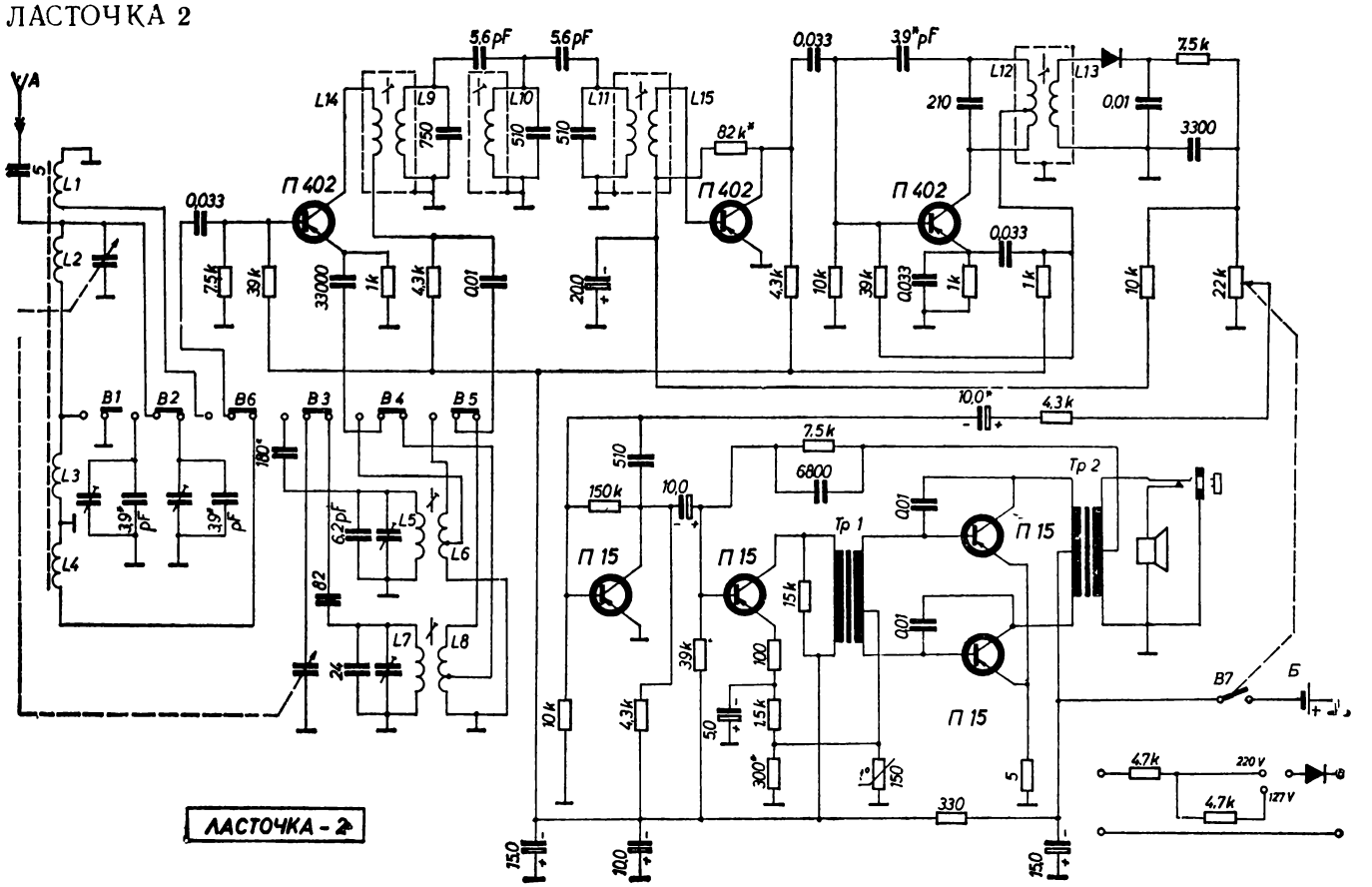


Обхват: СВ
МЧ=470 kHz

ЛАСТОЧКА

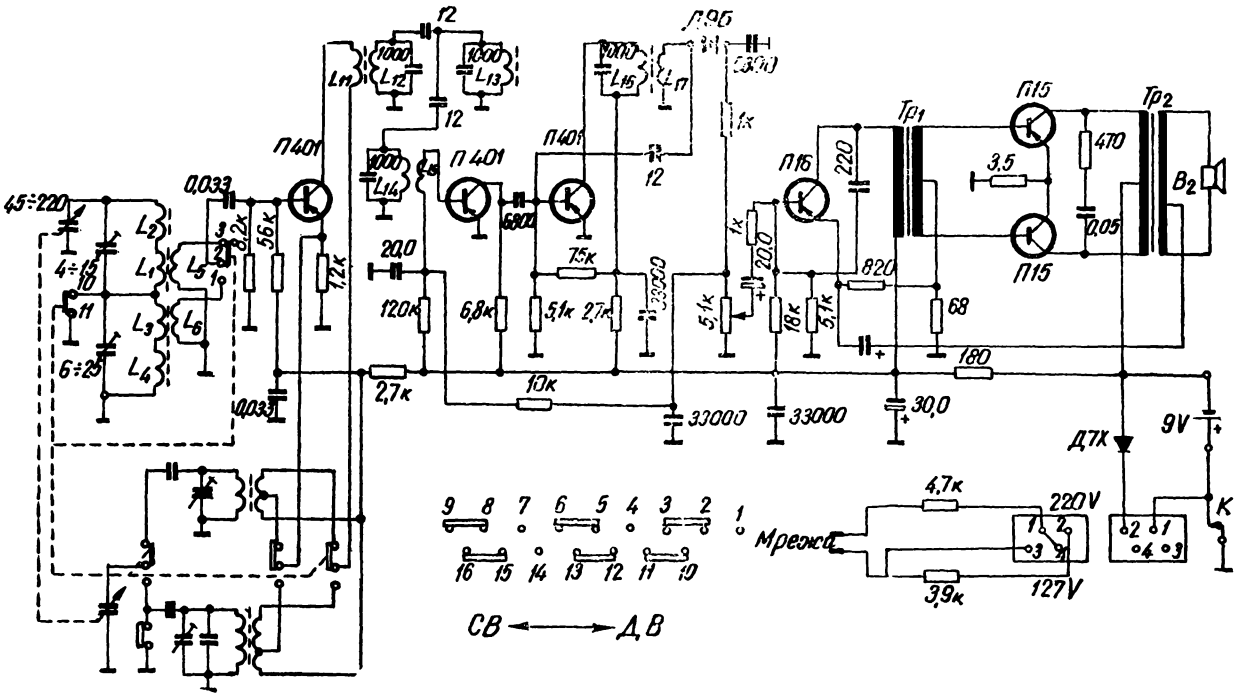


ЛАСТОЧКА 2

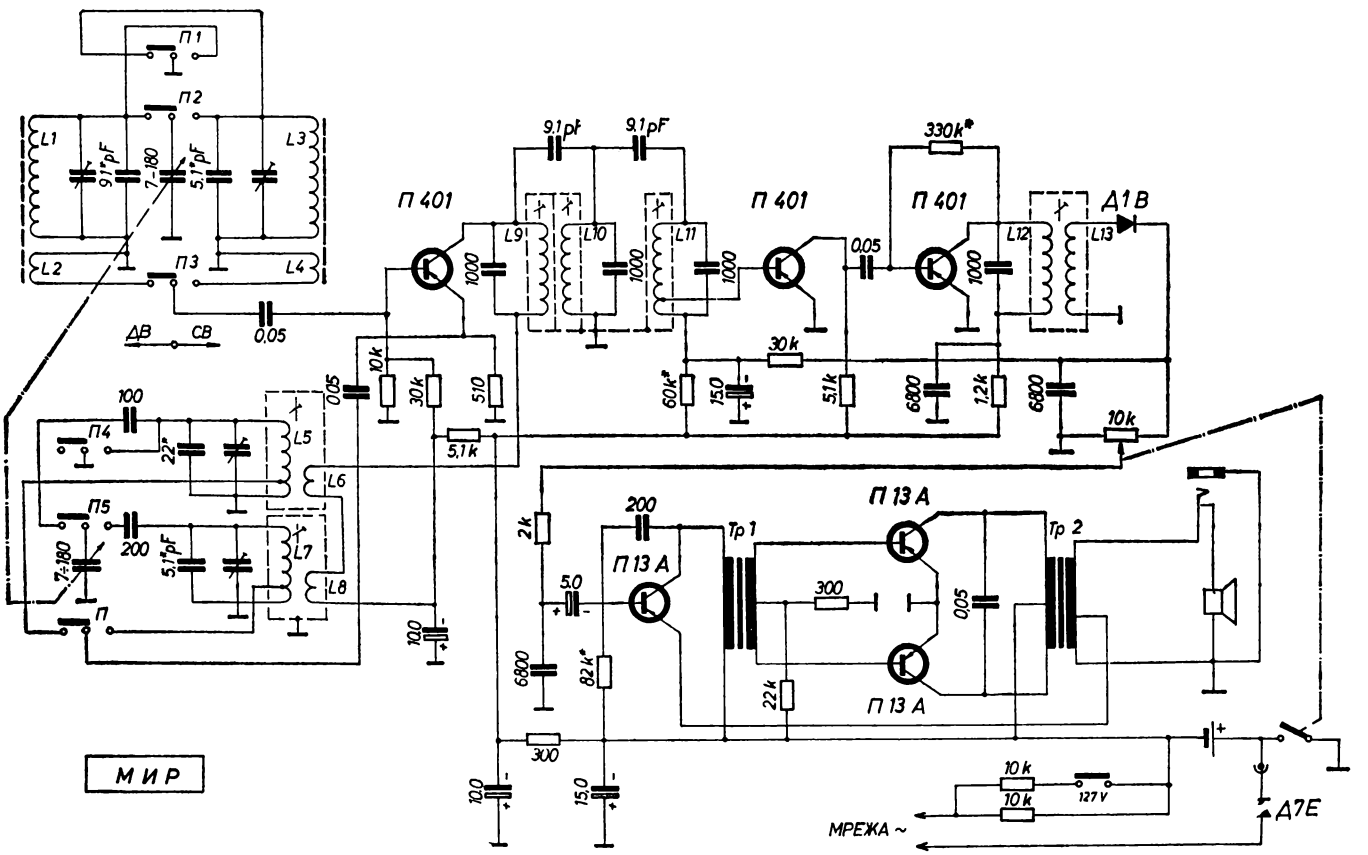


МИНСК

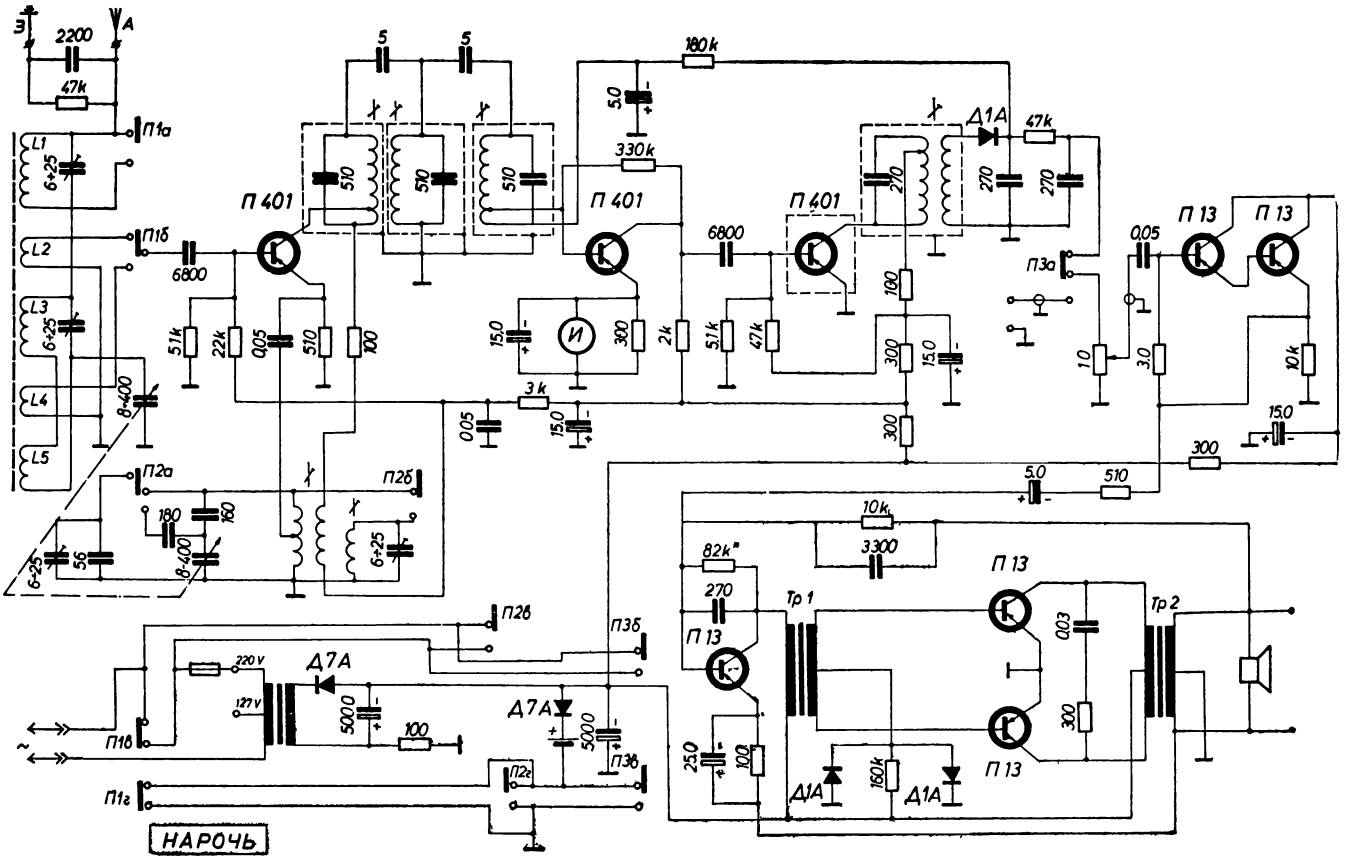
Обхват: СВ, ДВ
МЧ=465 кHz



МИР

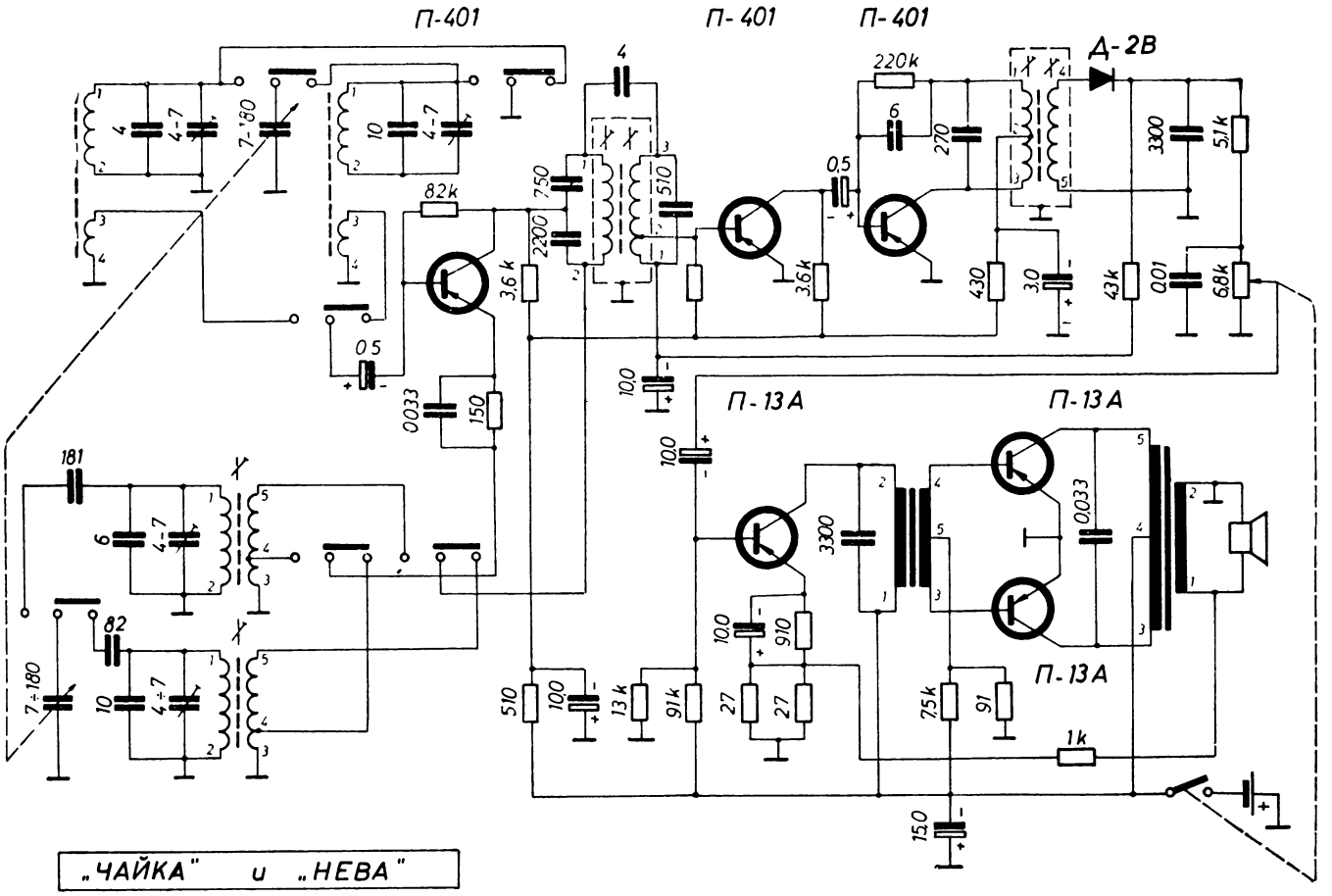


НАРОЧЬ

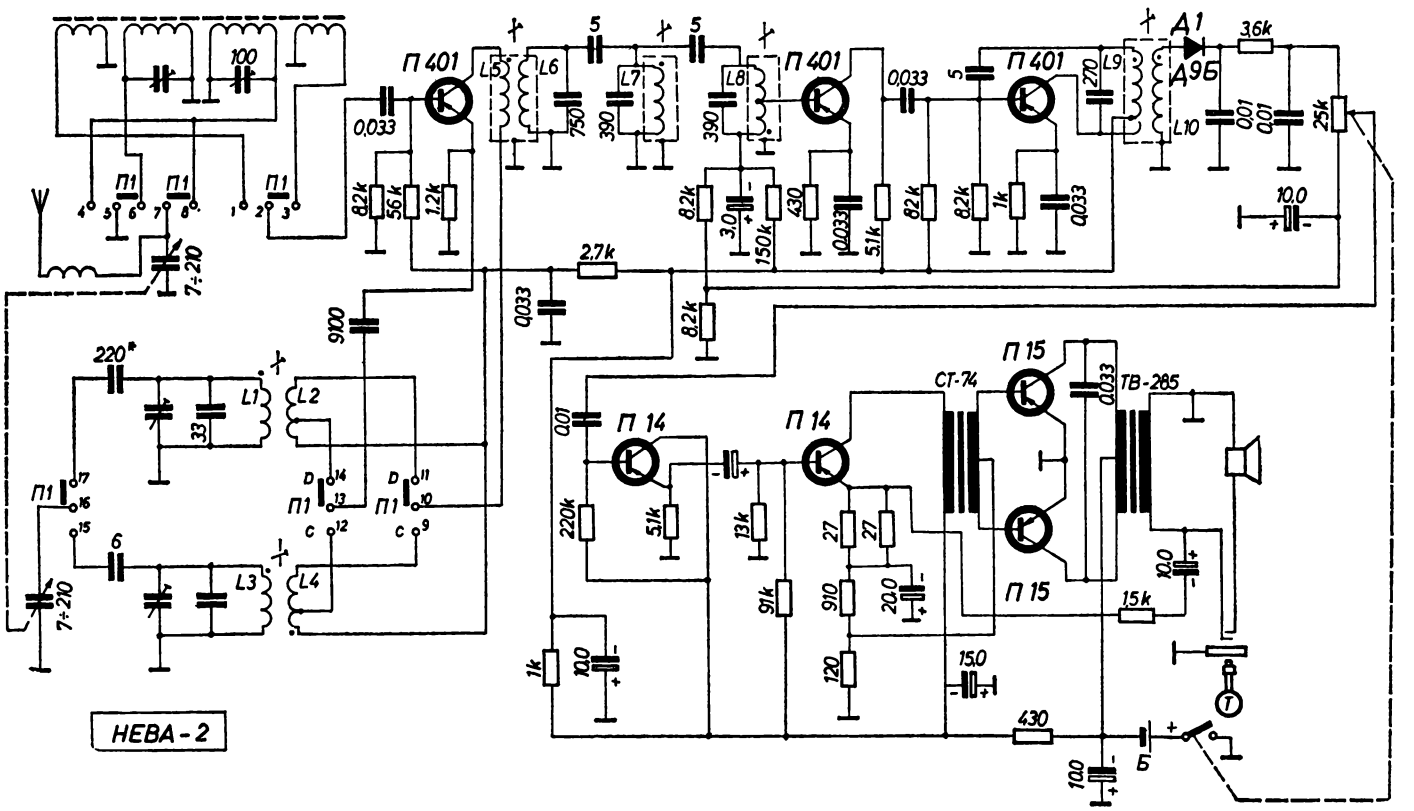


НЕВА, ЧАЙКА

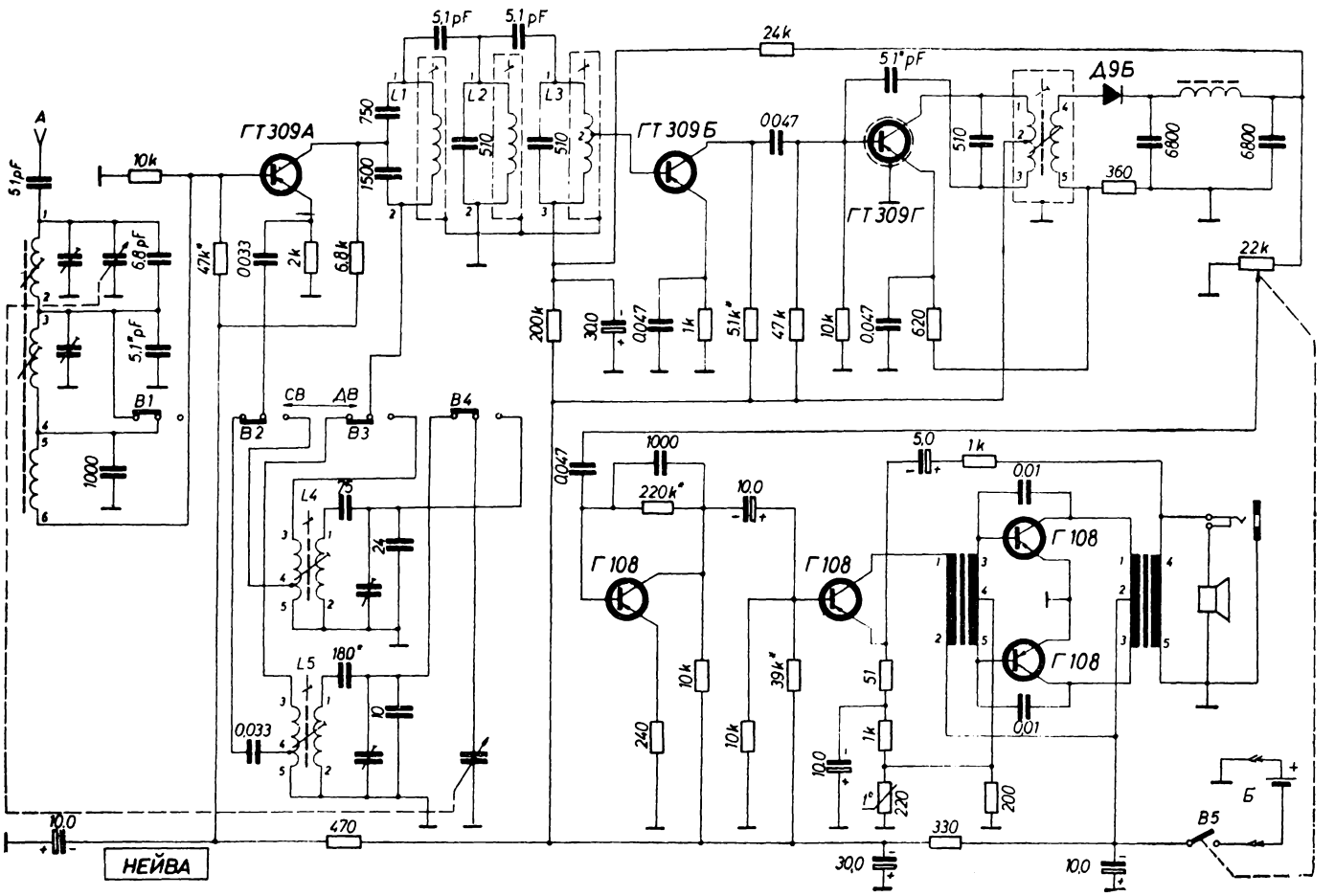
Обхват: СВ, ДВ
МЧ=465 кНz



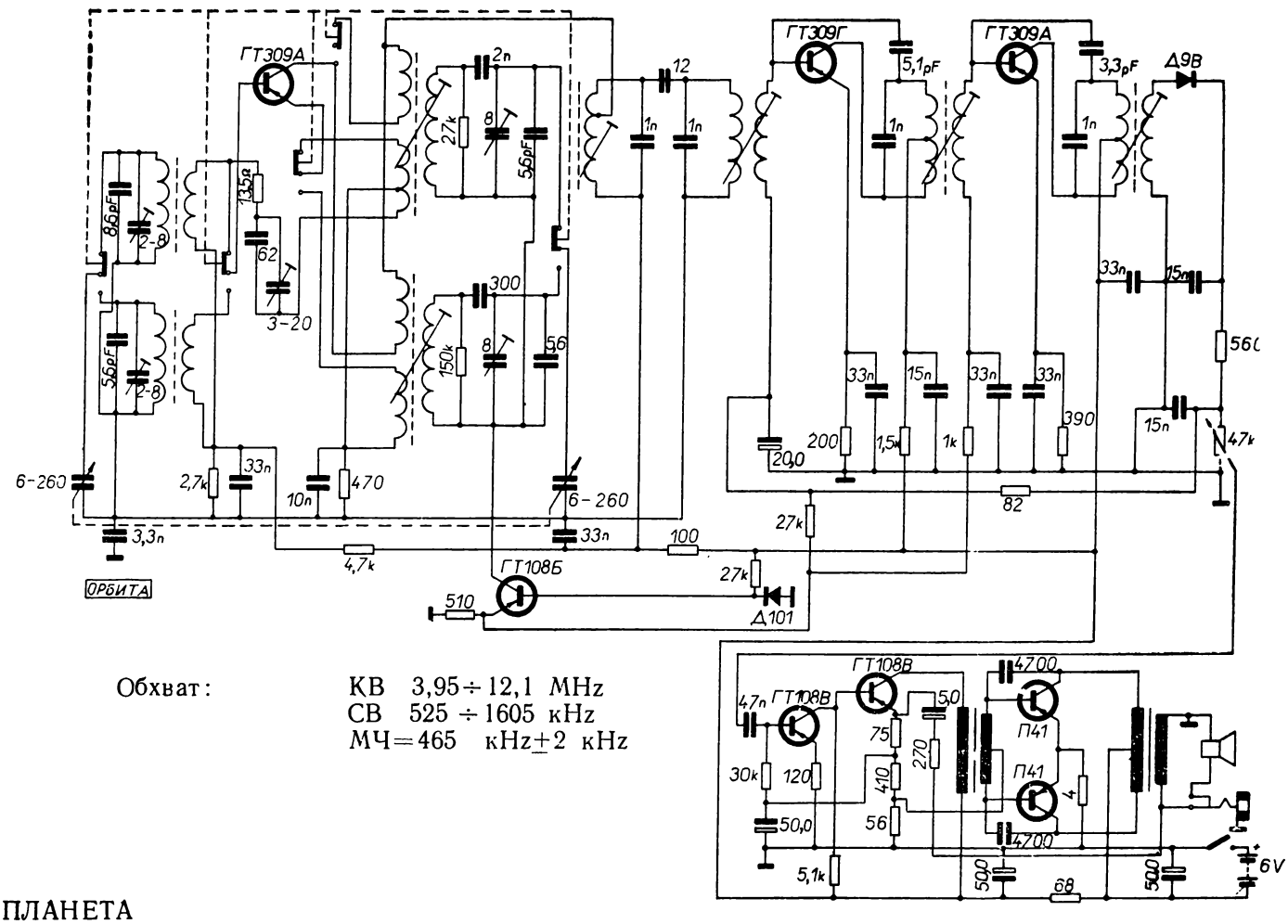
НЕВА 2


П401
П401
П401
А1
А9Б
П15
П15
П14
П14
СТ-74
ТВ-285
П1
П1
П1
НЕВА-2

НЕВА


ГТ309А
ГТ309Б
ГТ309Г
А9Б
Г108
Г108
Г108
Г108
СВ
ДВ
НЕЙВА

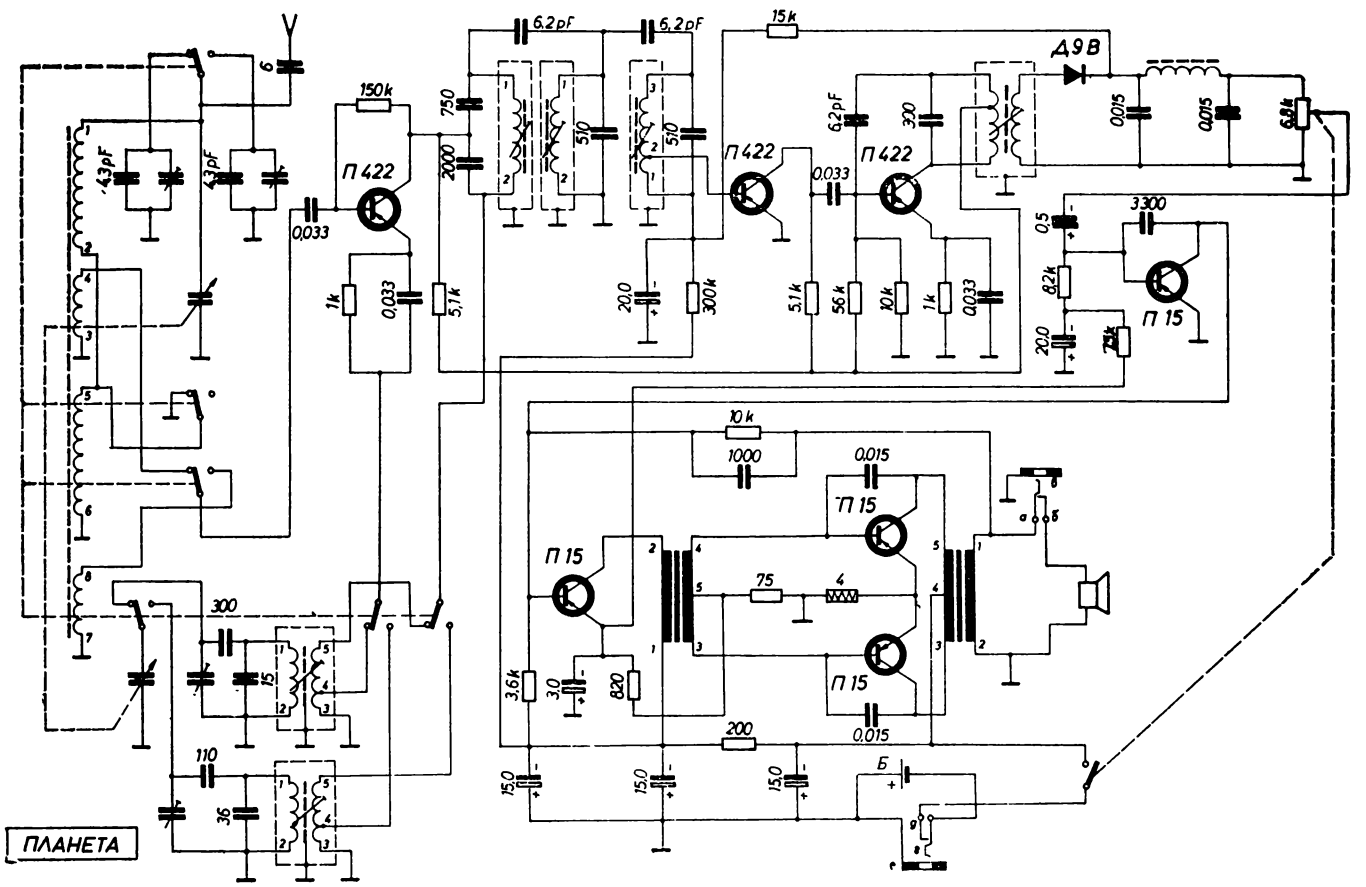
ОРБИТА



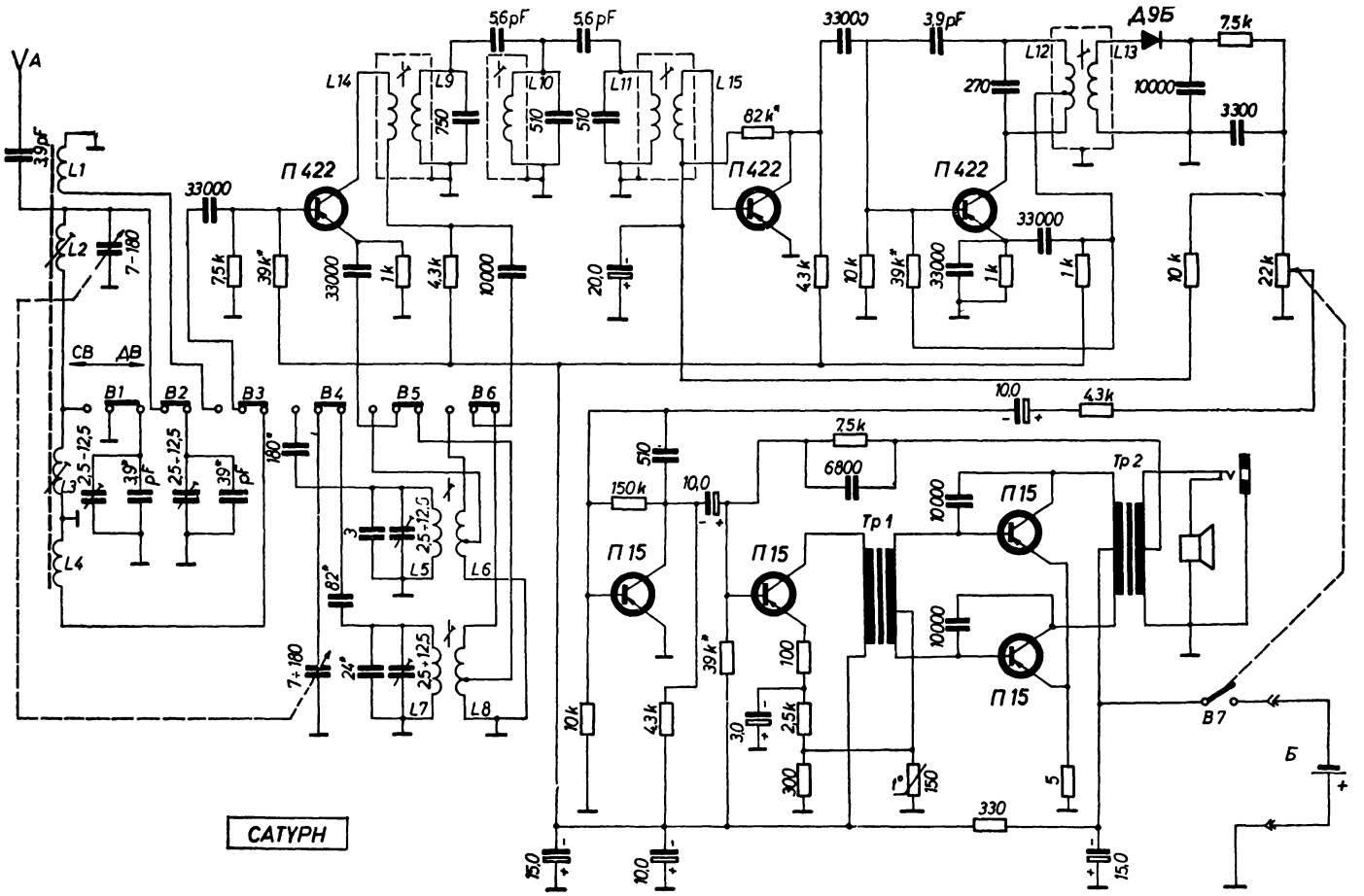
Обхват:

КВ 3,95÷12,1 MHz
СВ 525 ÷1605 кHz
МЧ=465 кHz±2 кHz

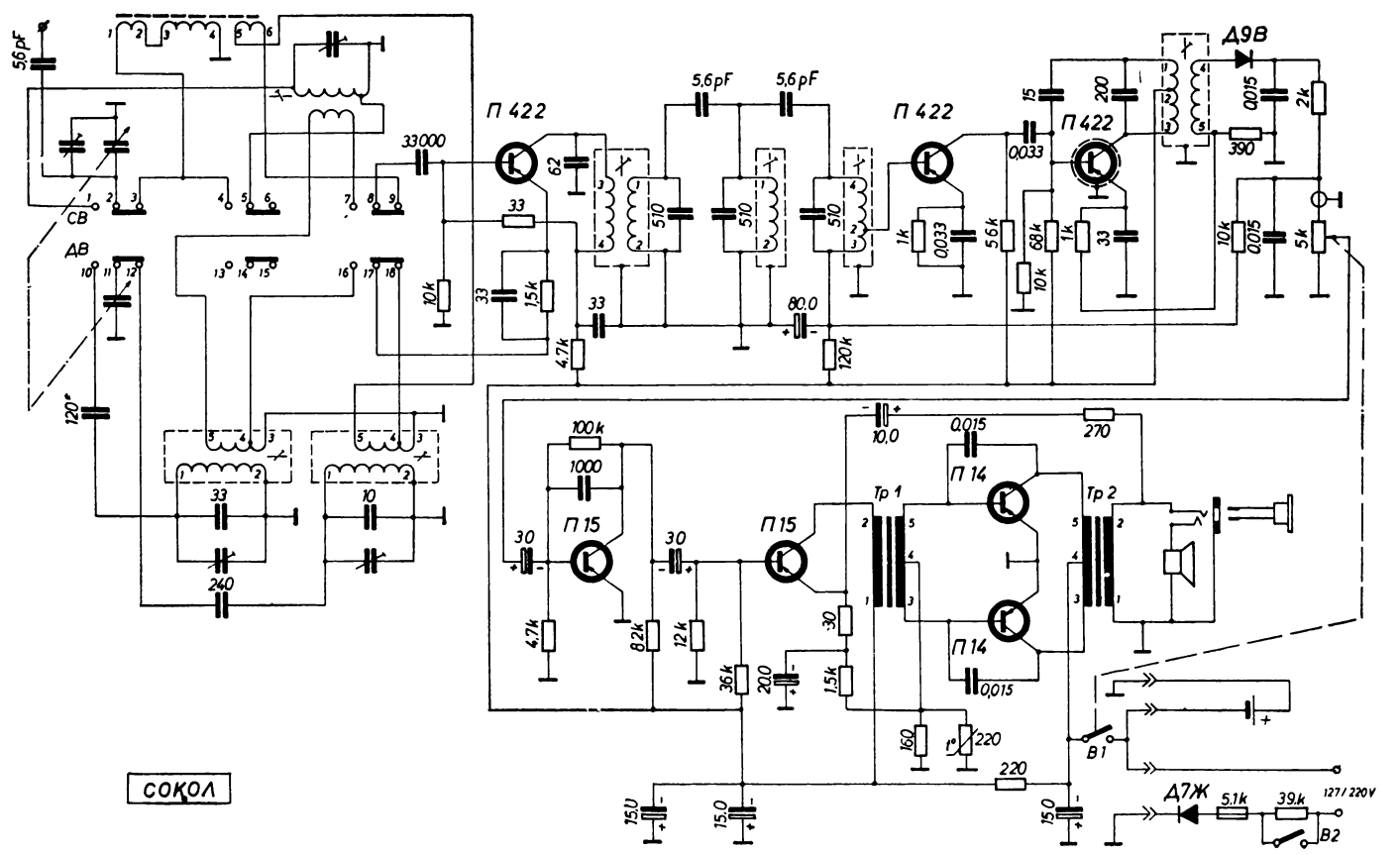
ПЛАНЕТА



САТУРН

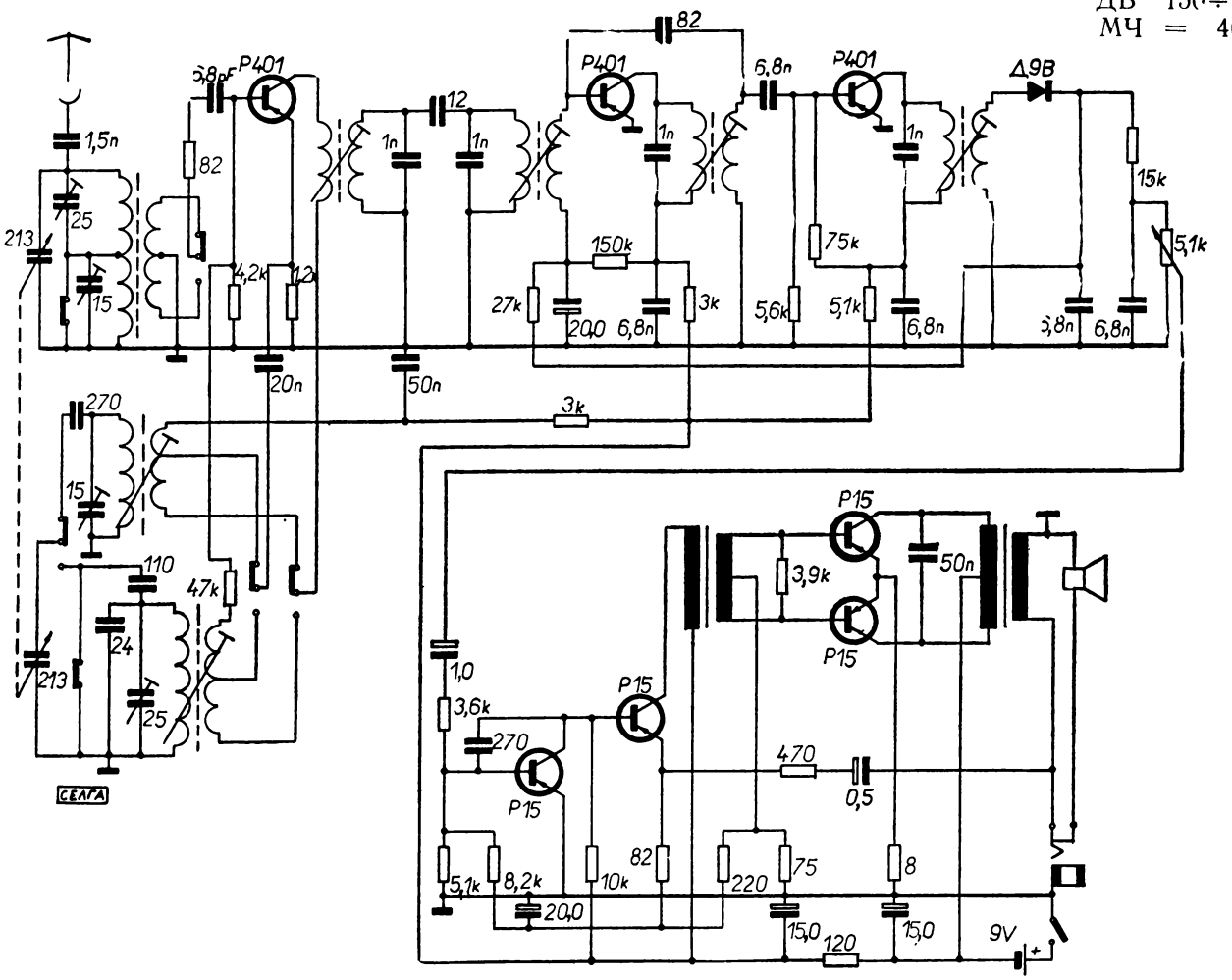


СОКОЛ

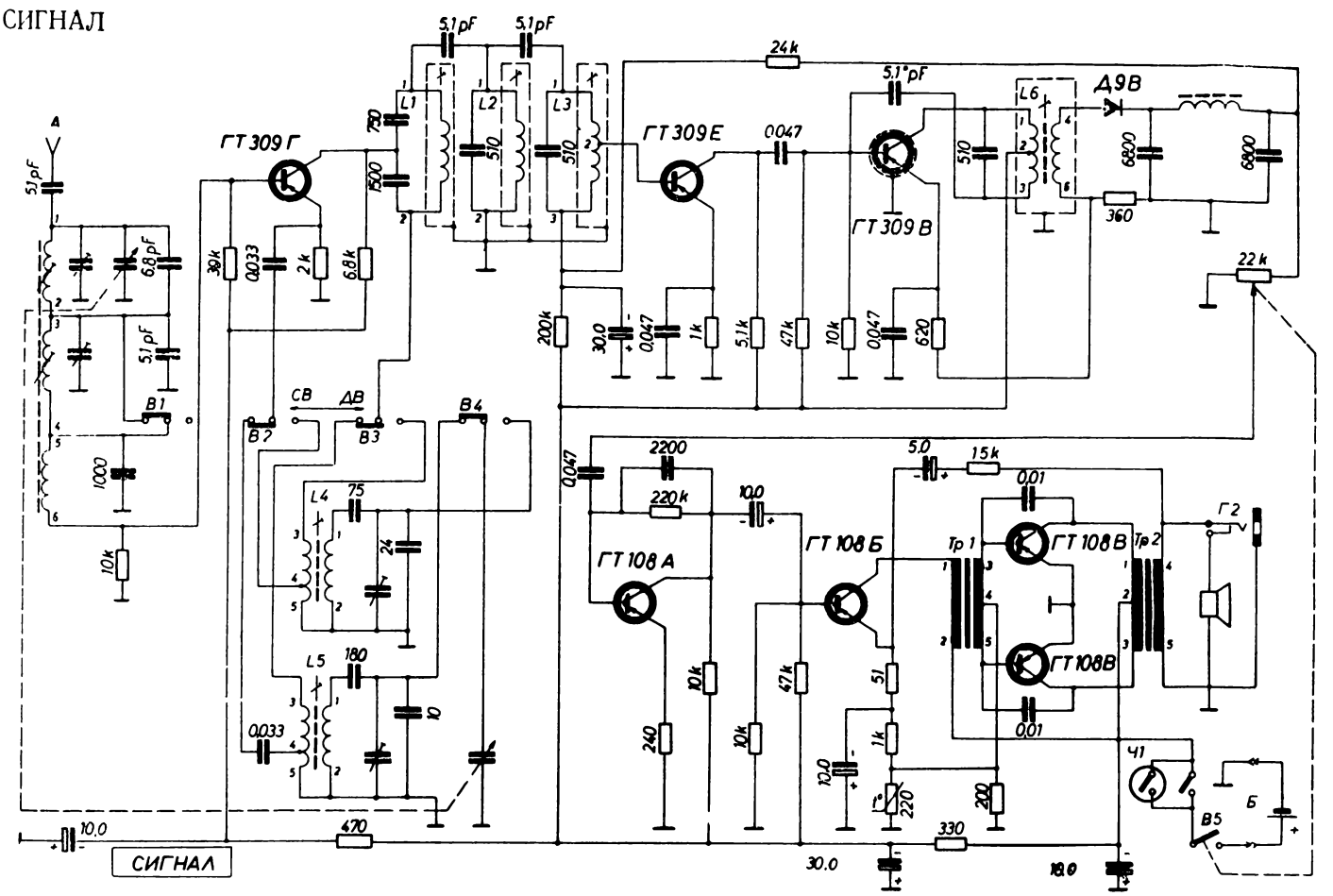


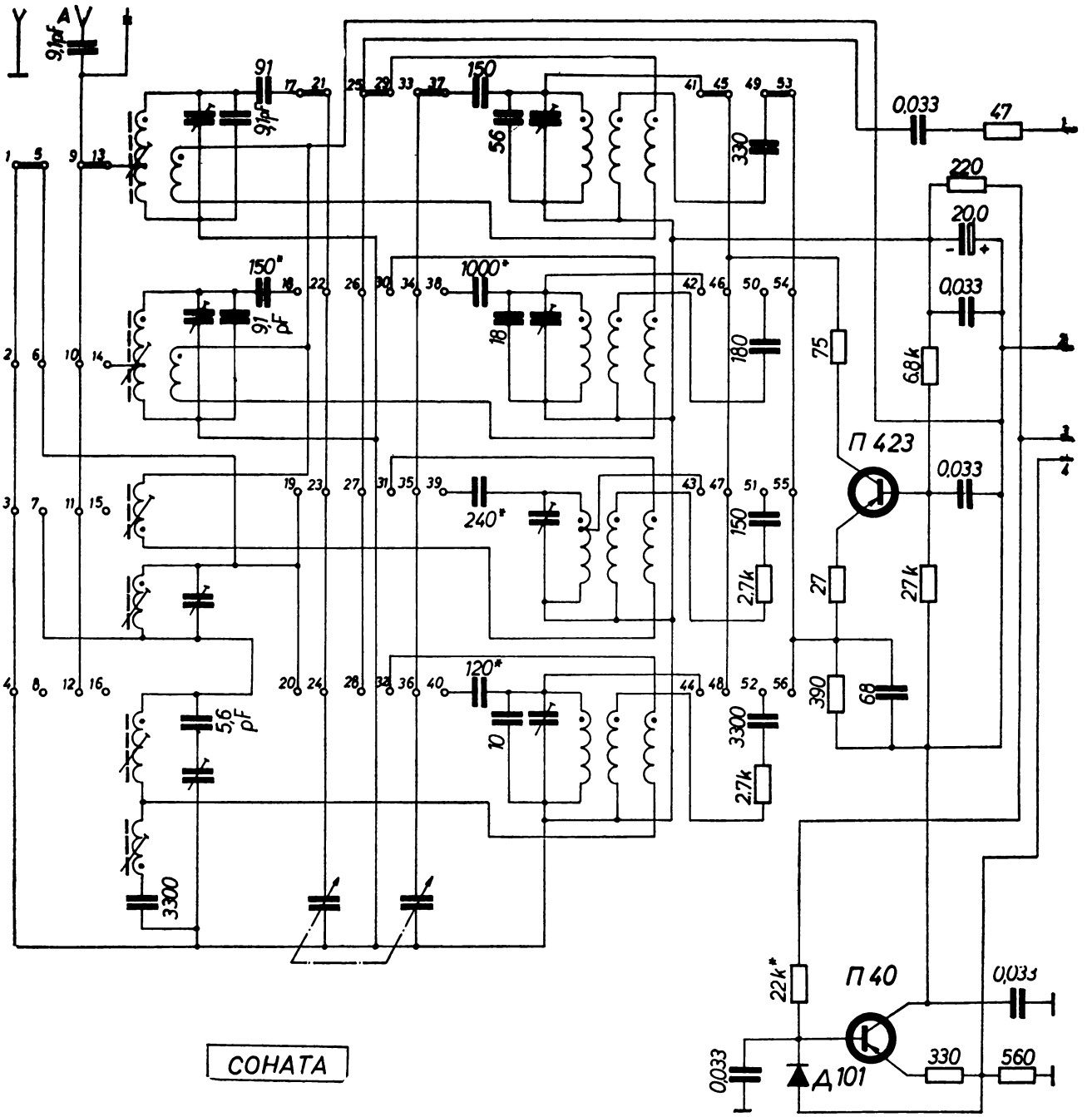
СЕЛГА

Обхват: СВ 525÷1605 кHz
ДВ 150÷408 кHz
МЧ = 465 кHz



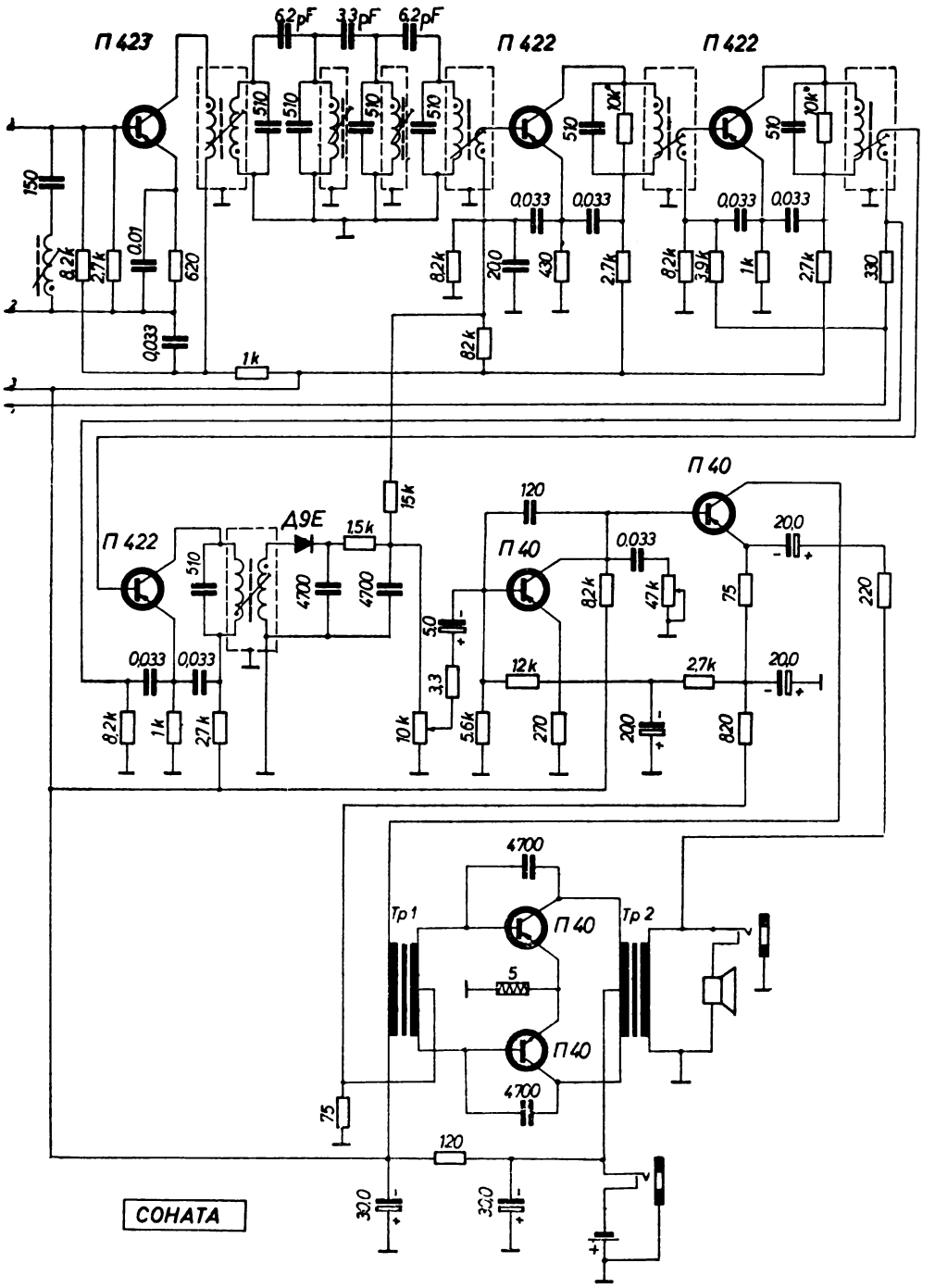
СИГНАЛ

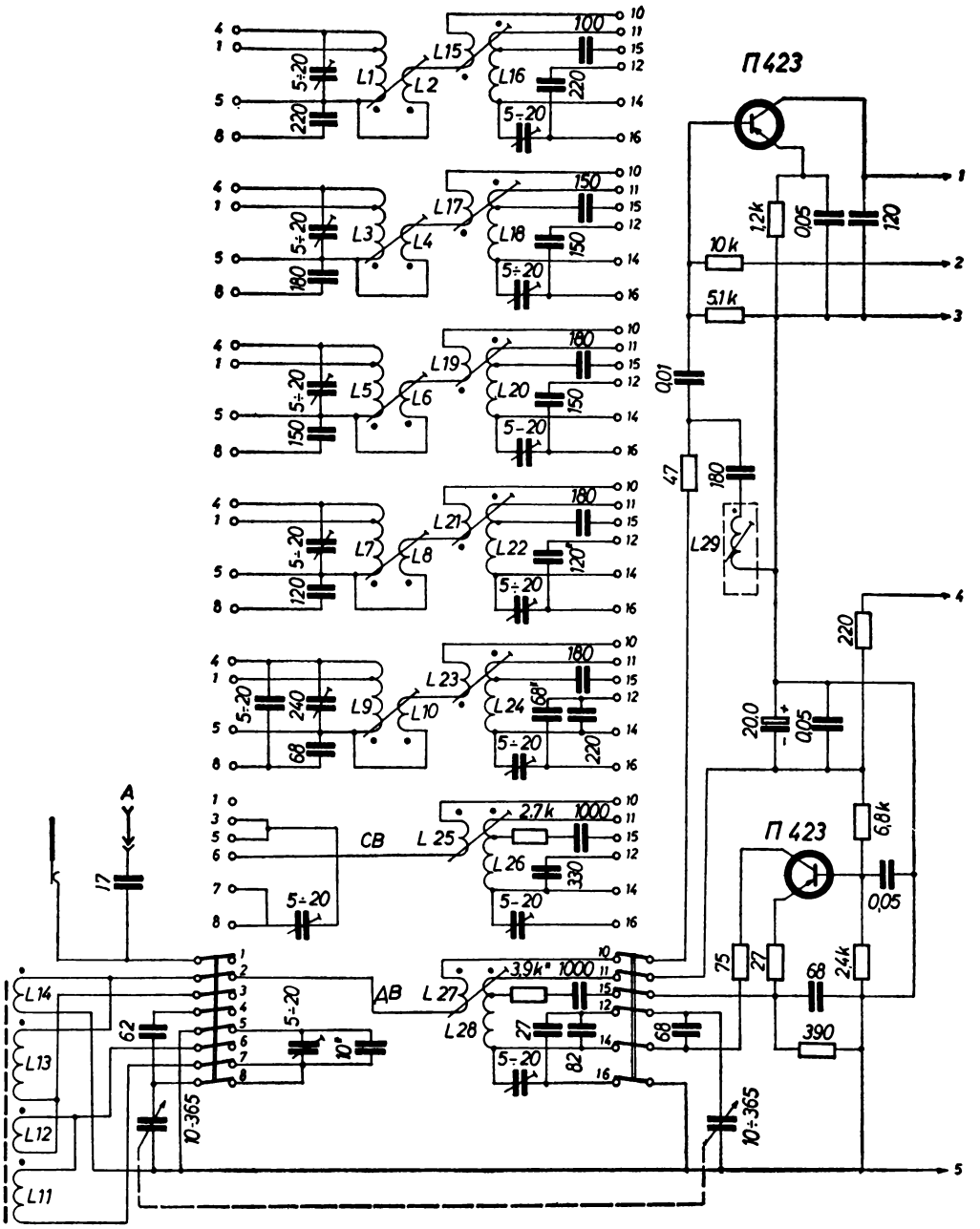



АУ
9pF
91
91pF
150
56
330
0.033
47
220
20,0
150*
91 pF
1000*
18
180
75
6,8k
0,033
П 423
240*
150
2,7k
27
27k
0,033
120*
10
3300
2,7k
390
68
5,6 pF
3300
22k*
П 40
0,033
0,033
330
560
Д 101
СОНАТА

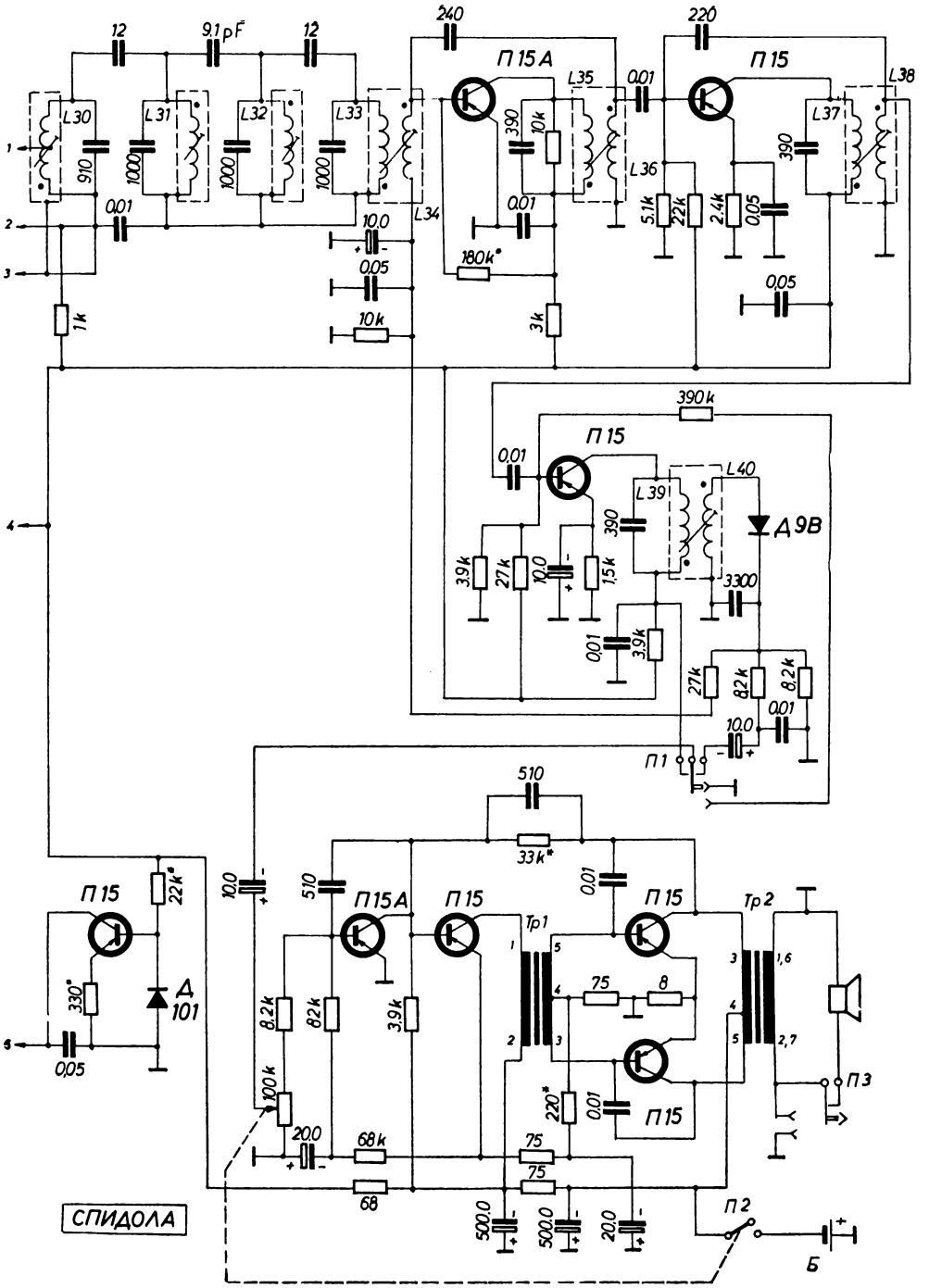
СОНАТА

Обхват: КВІ 9,0÷12,1 MHz
КВІІ 3,95÷7,4 MHz
СВ 525÷1605 кHz
ДВ 150÷408 кHz
МЧ=465÷ кHz



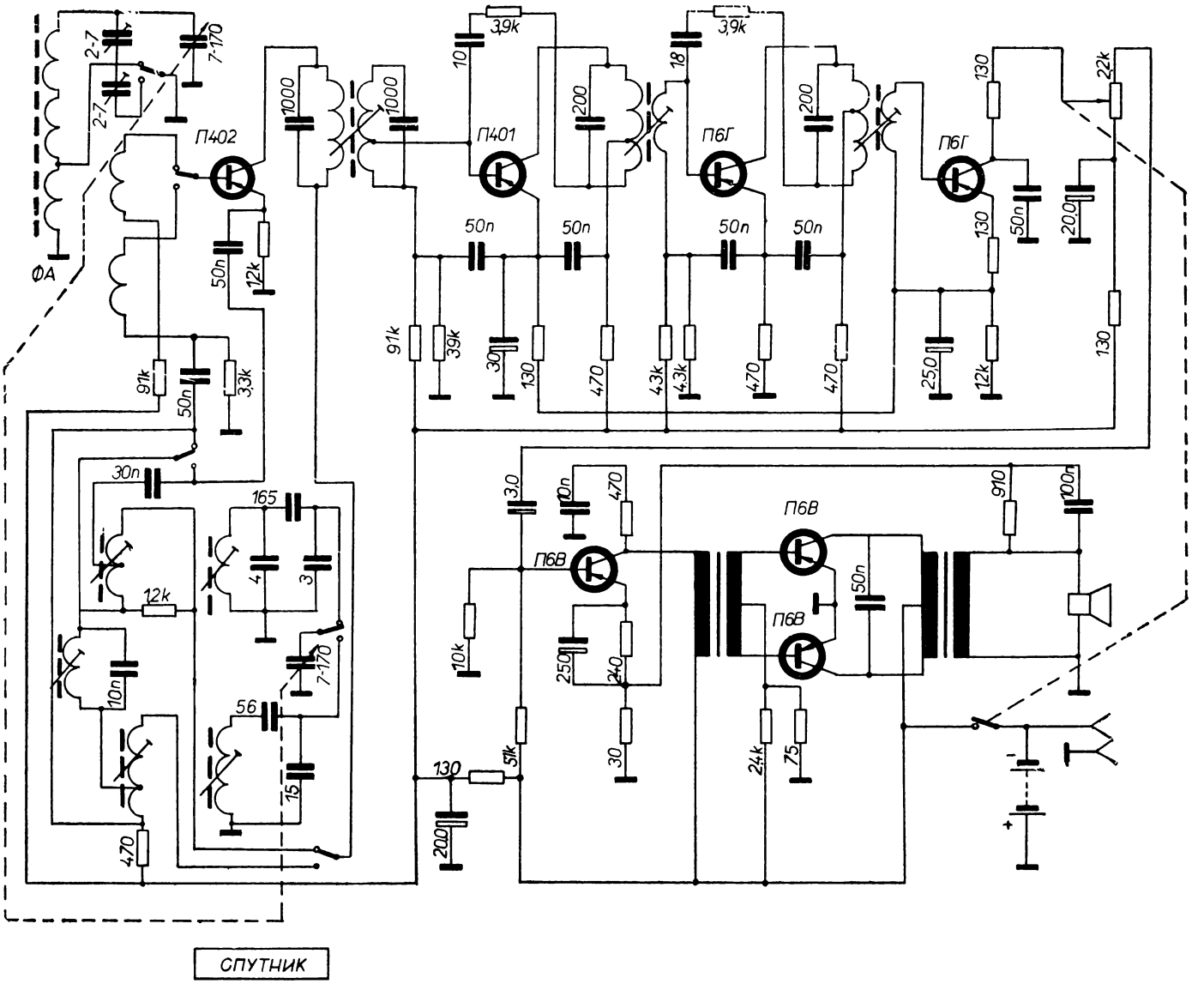

П423
П423
L1
L2
L3
L4
L5
L6
L7
L8
L9
L10
L15
L16
L17
L18
L19
L20
L21
L22
L23
L24
L25
L26
L27
L28
L29
L11
L12
L13
L14
СВ
ДВ
A
5÷20
10÷365
100
150
180
220
240
2.7k
3.9k
1000
1.2k
10k
5.1k
0.01
0.05
20.0
6.8k
24k
390
75
27
68
47
62
10
82
330

СПИДОЛА


П15А
П15
П15
П15А
П15
П15
П15
А9В
А101
Тр1
Тр2
П1
П2
П3
Б
СПИДОЛА

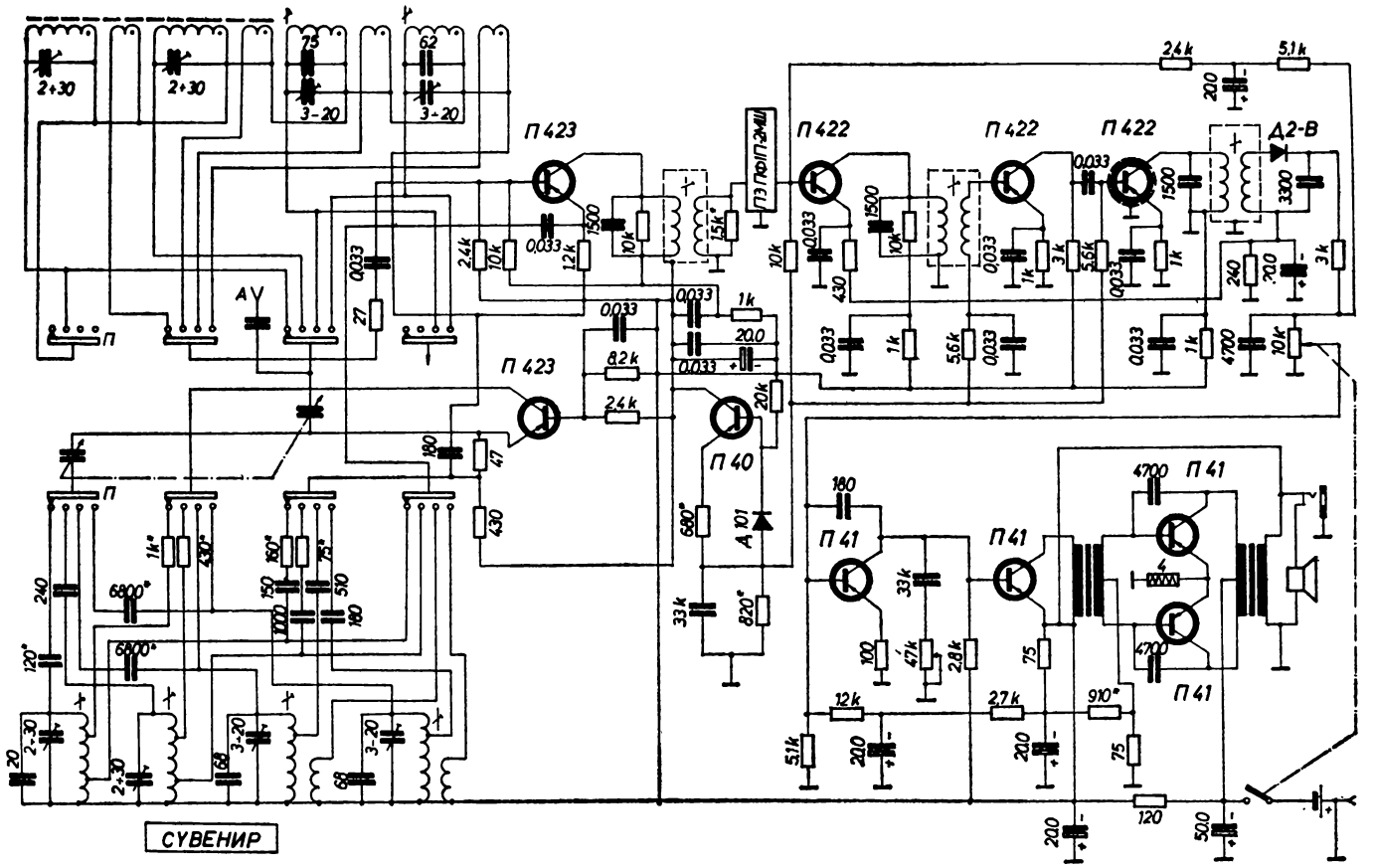
СПУТНИК

Обхват: СВ 520÷1600 кHz
ДВ 155÷415 кHz
МЧ=465 кHz

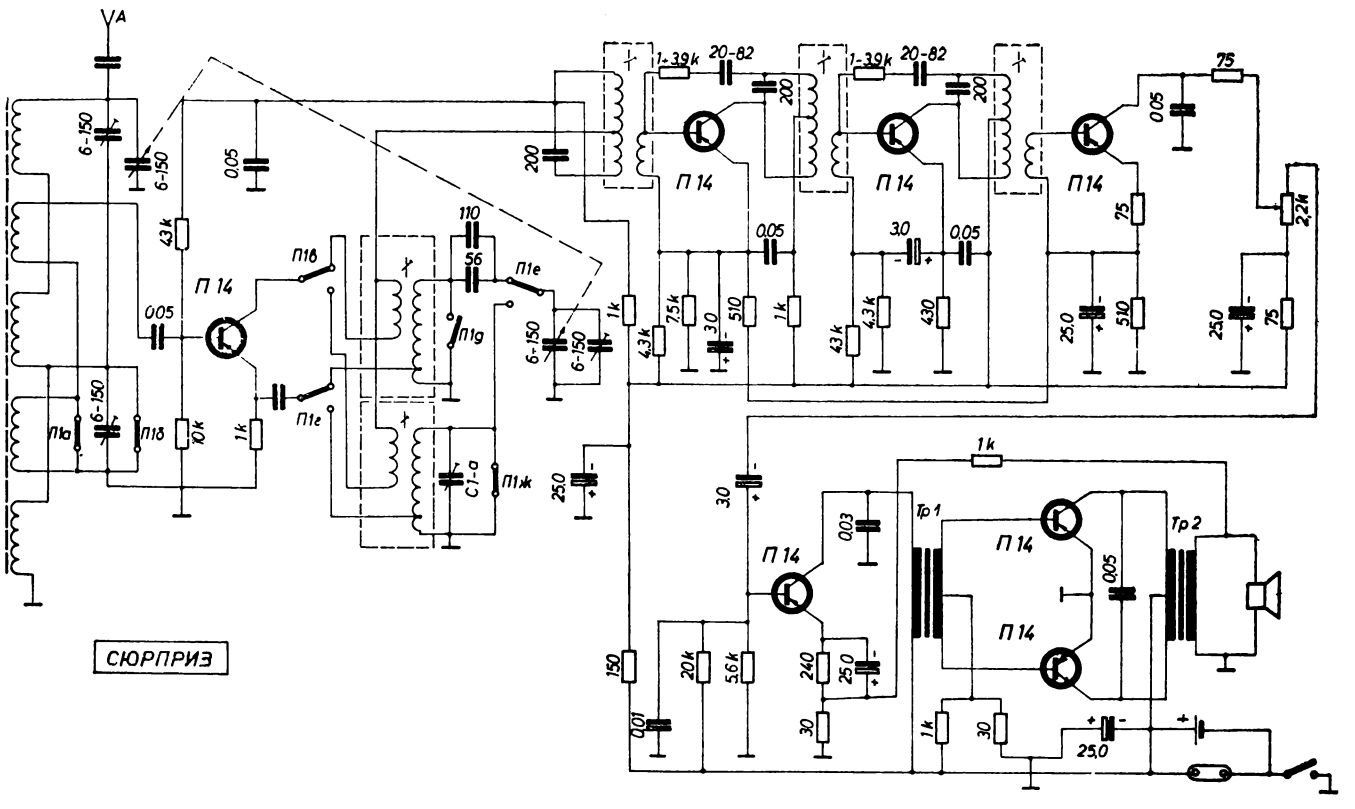


СПУТНИК

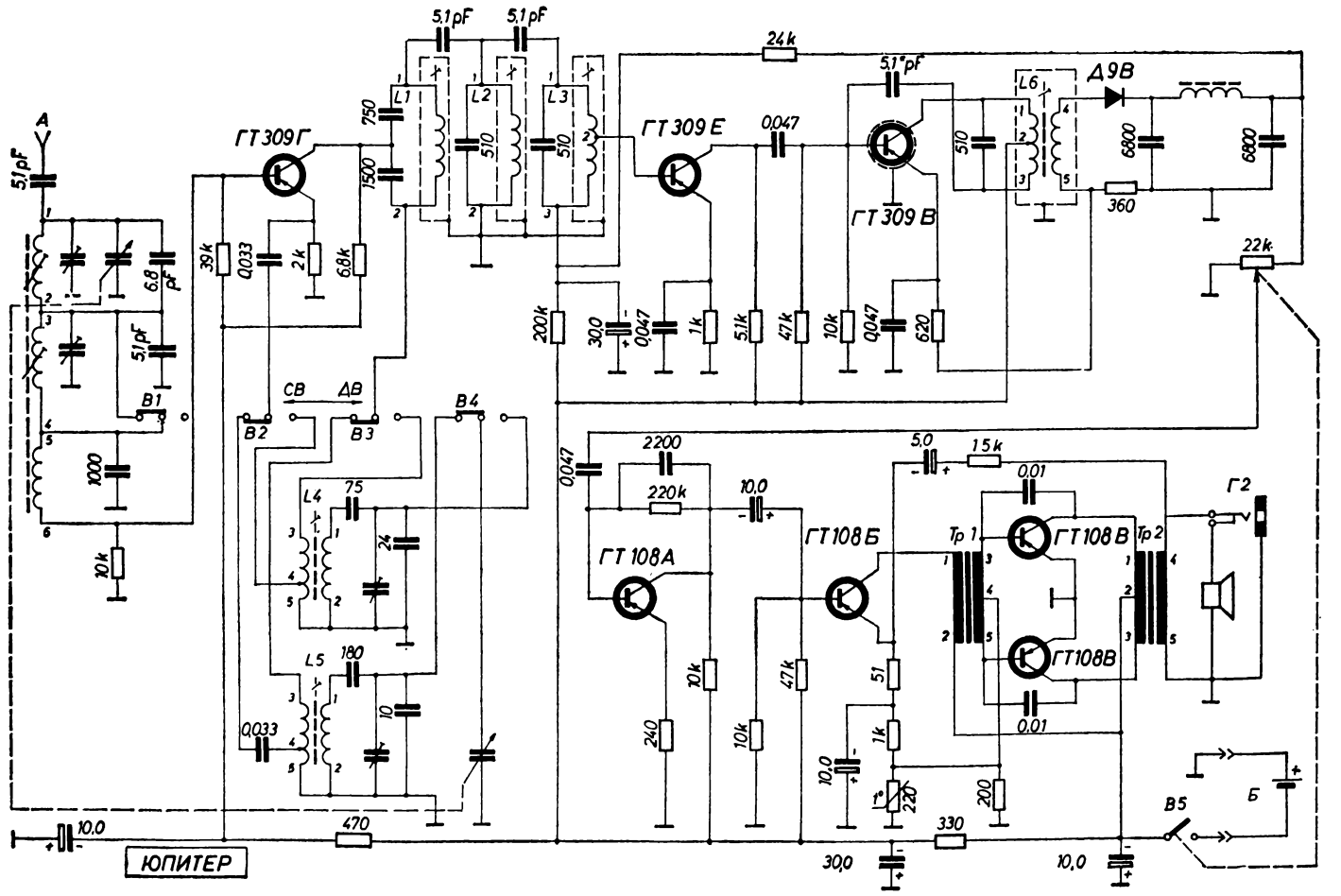
СУВЕНИР



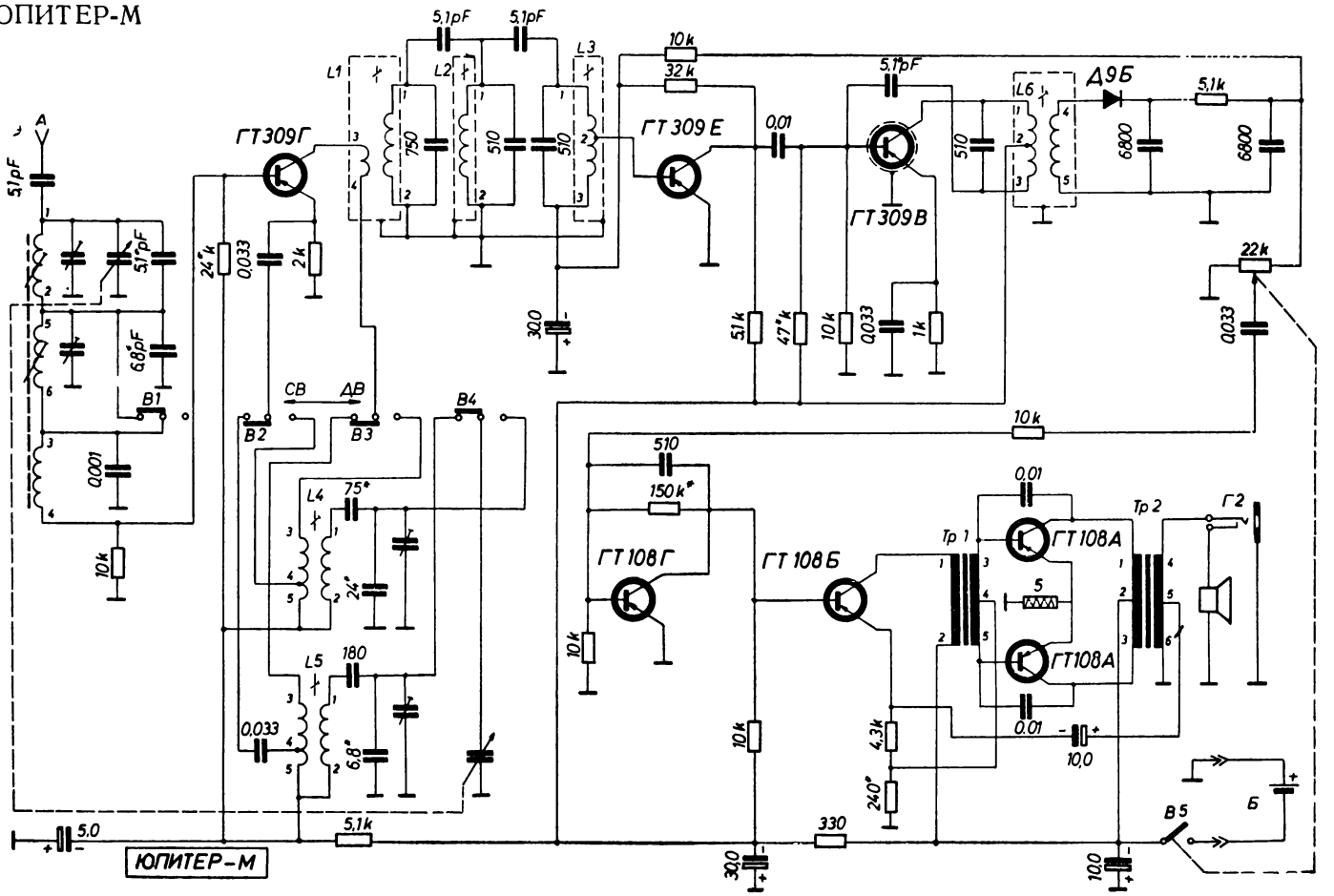
СЮРПРИЗ



ЮПИТЕР

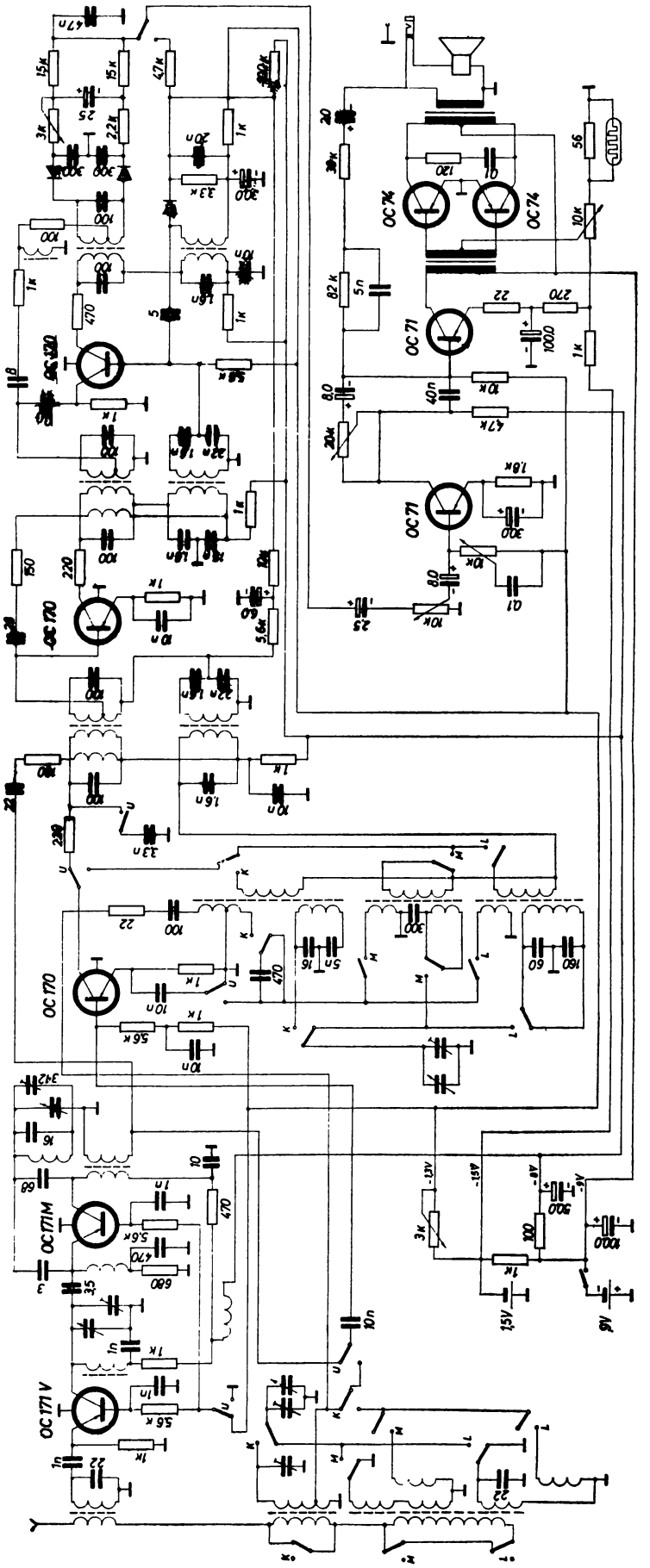


ЮПИТЕР-М



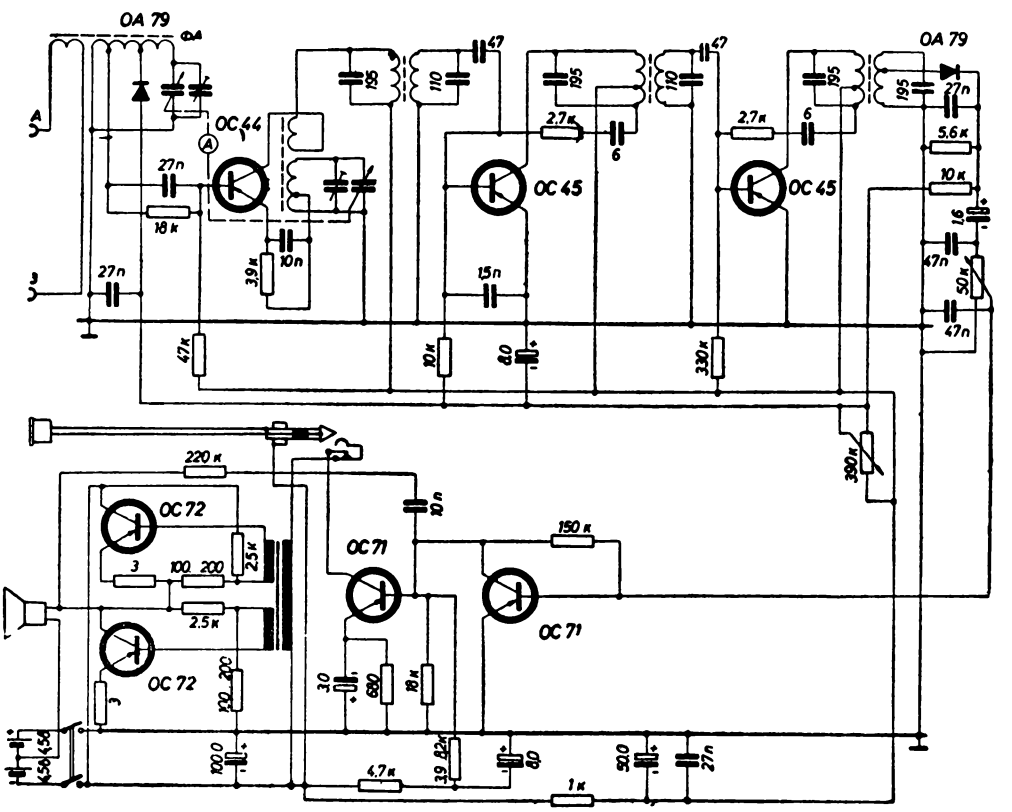
АВСТРИЙСКИ РАДИОПРИЕМНИЦИ

GREZ JOKER



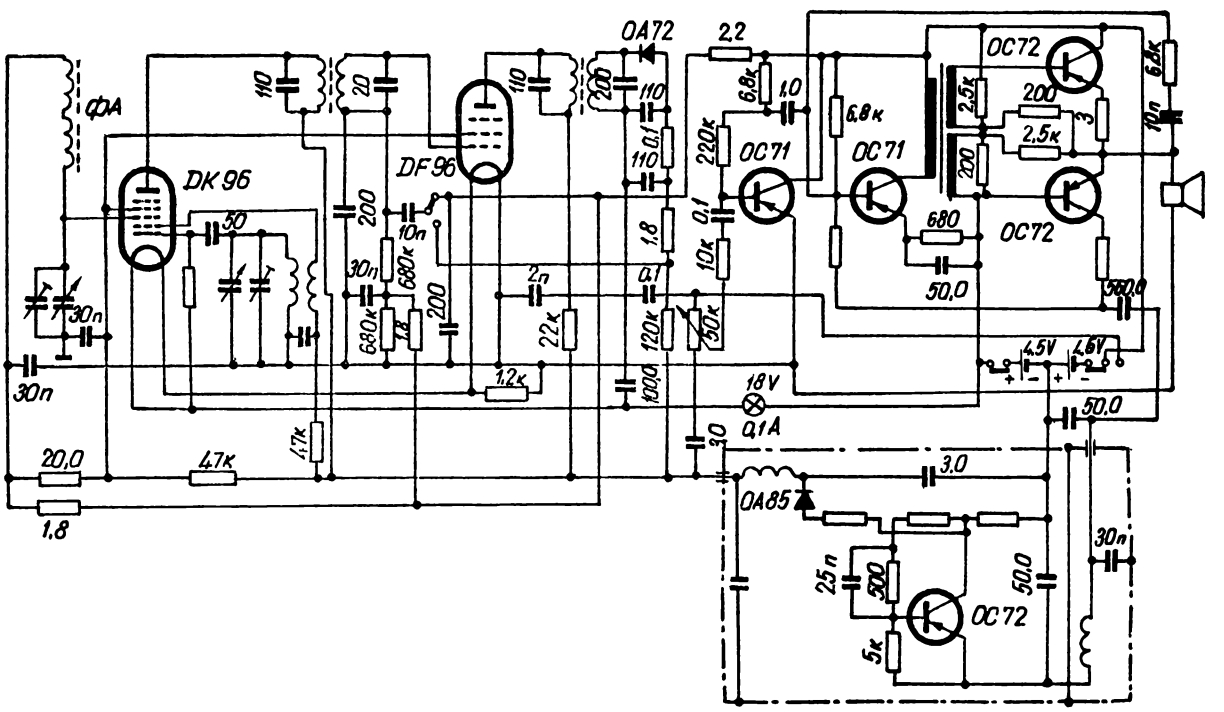
INGELEN TR CORSO

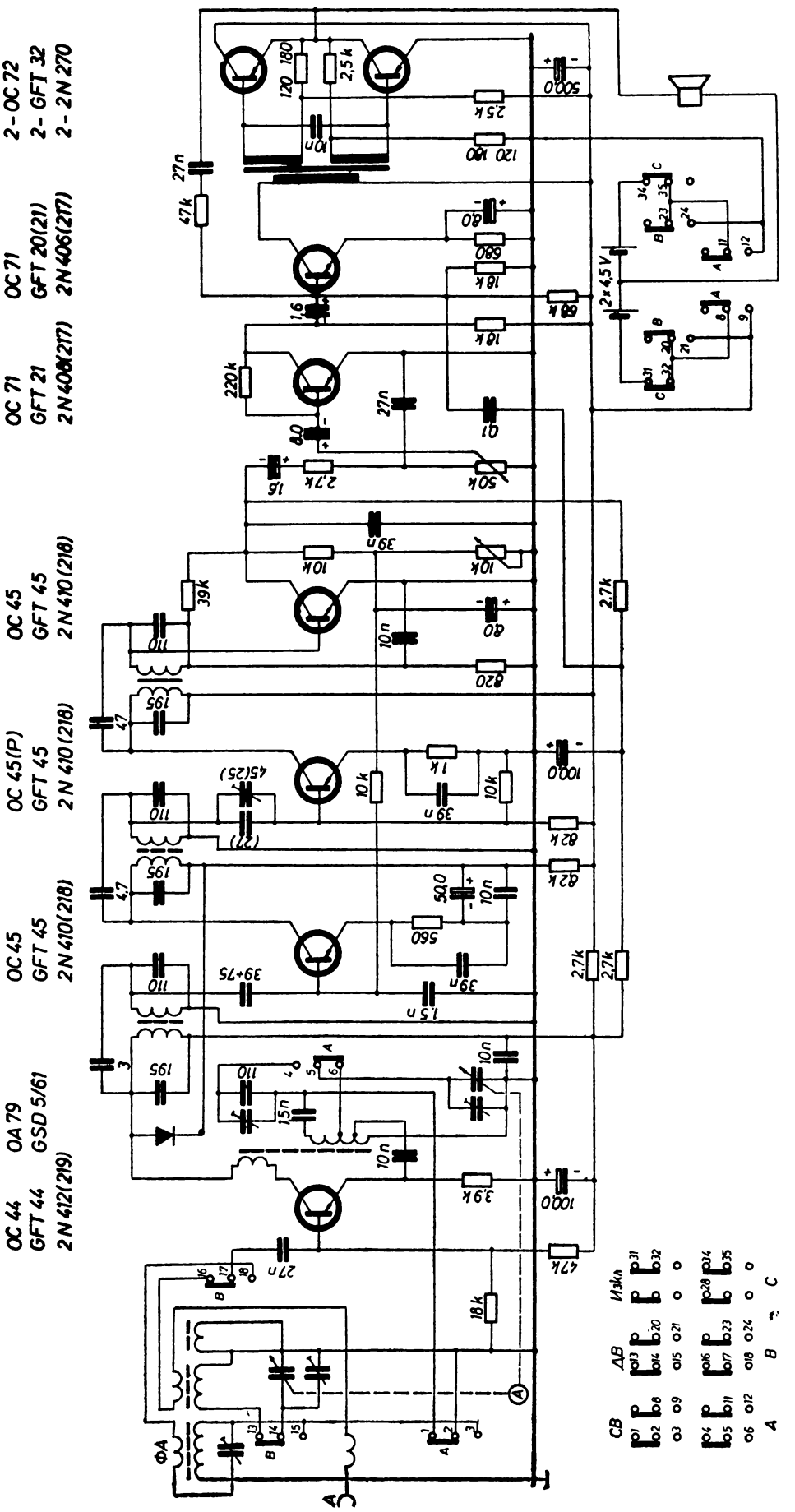
МЧ 459 кHz

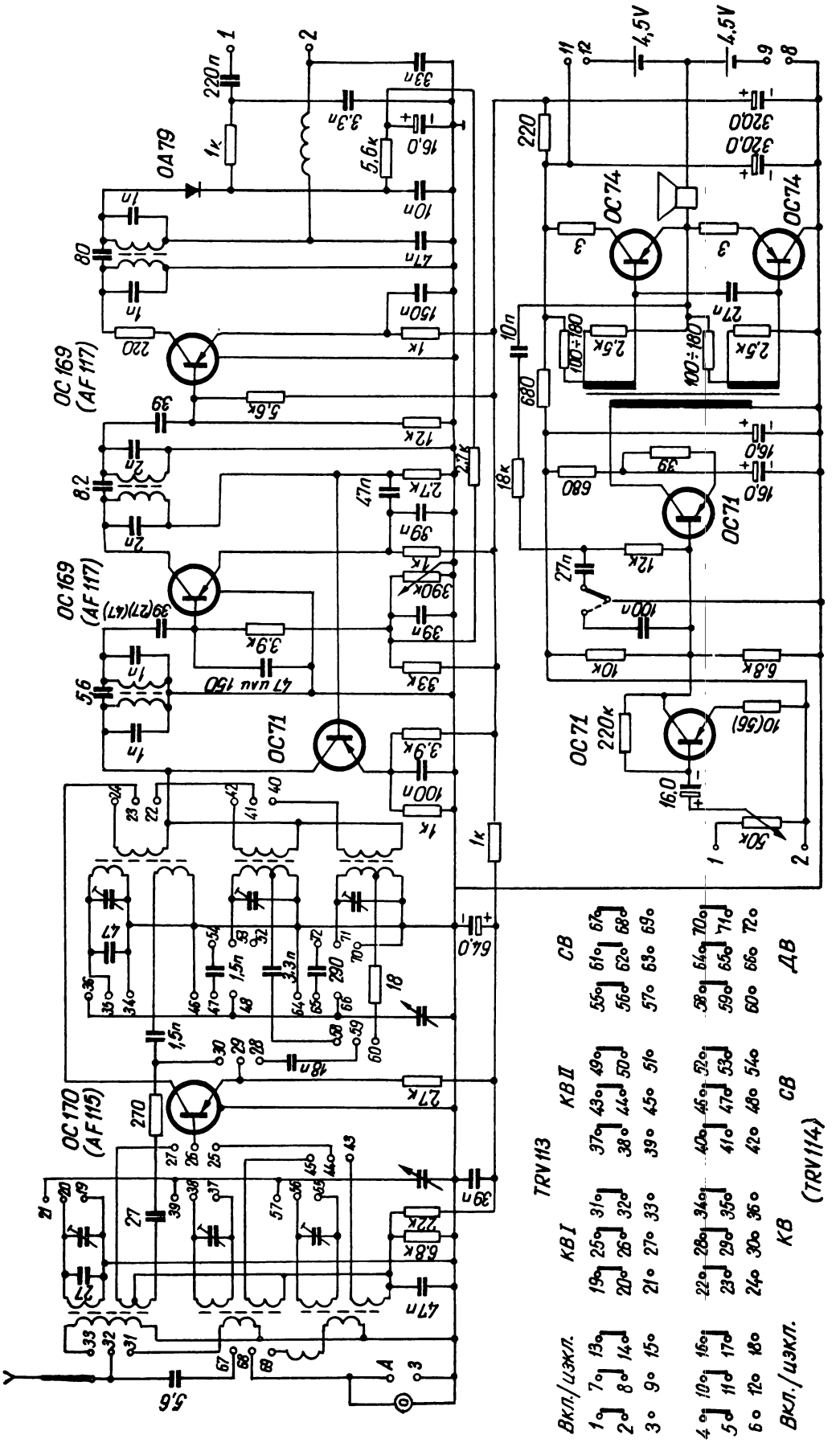


INGELEN TR 56

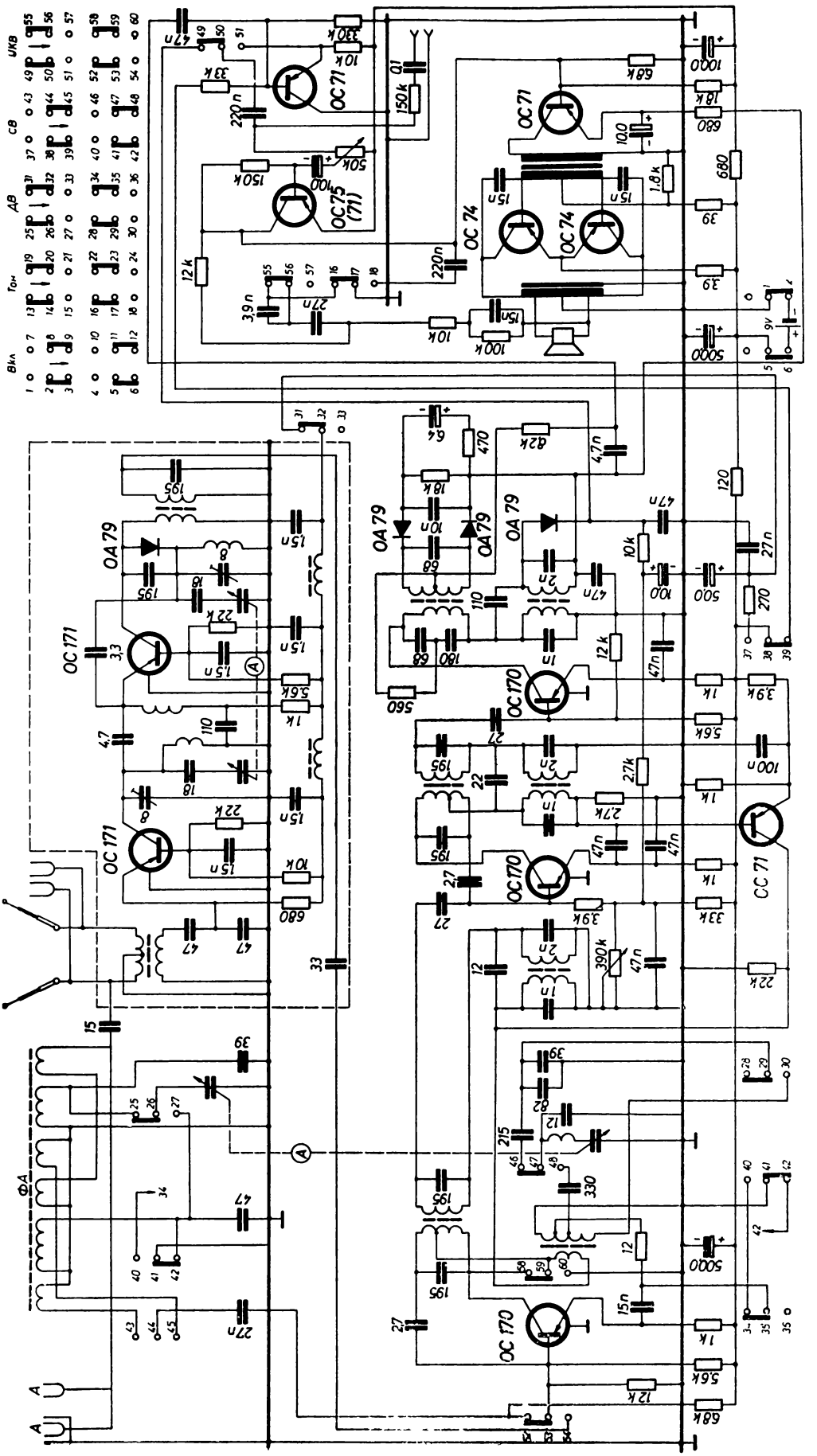
МЧ=459 кHz




2 - OC 72
2 - GFT 32
2 - 2N 270
OC 71
GFT 20(21)
2N 406(217)
OC 71
GFT 21
2N 408(217)
OC 45
GFT 45
2N 410(218)
OC 45(P)
GFT 45
2N 410(218)
OC 45
GFT 45
2N 410(218)
OA 79
GSD 5/61
OC 44
GFT 44
2N 412(219)
2x4,5 V
ФА
ДВ
СВ
Изкл
A
B
C

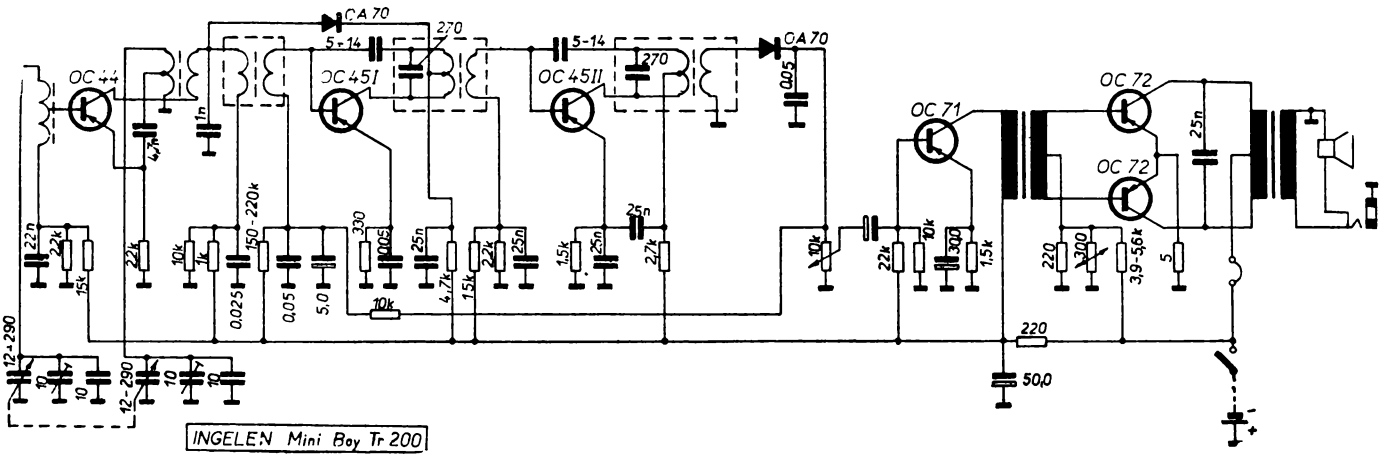

4,5V
4,5V
ОА79
ОС169 (AF117)
ОС169 (AF117)
ОС71
ОС170 (AF115)
ОС74
ОС74
ОС71
ОС71
TRV113
(TRV114)
Вкл./изкл.
КВ I
КВ II
СВ
ДВ
КВ
СВ
Вкл./изкл.

Обхват: УКВ, СВ, ДВ
МЧ=459 кНz



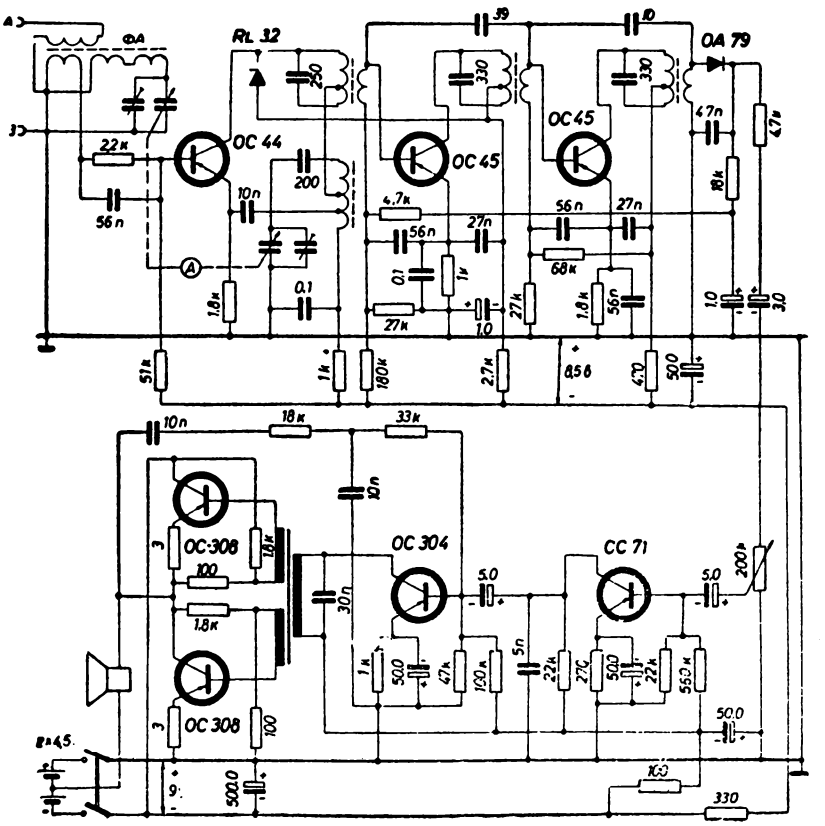
INGELEN
Mini-Boy — TR 200

Обхват: СВ
МЧ = 470 кHz



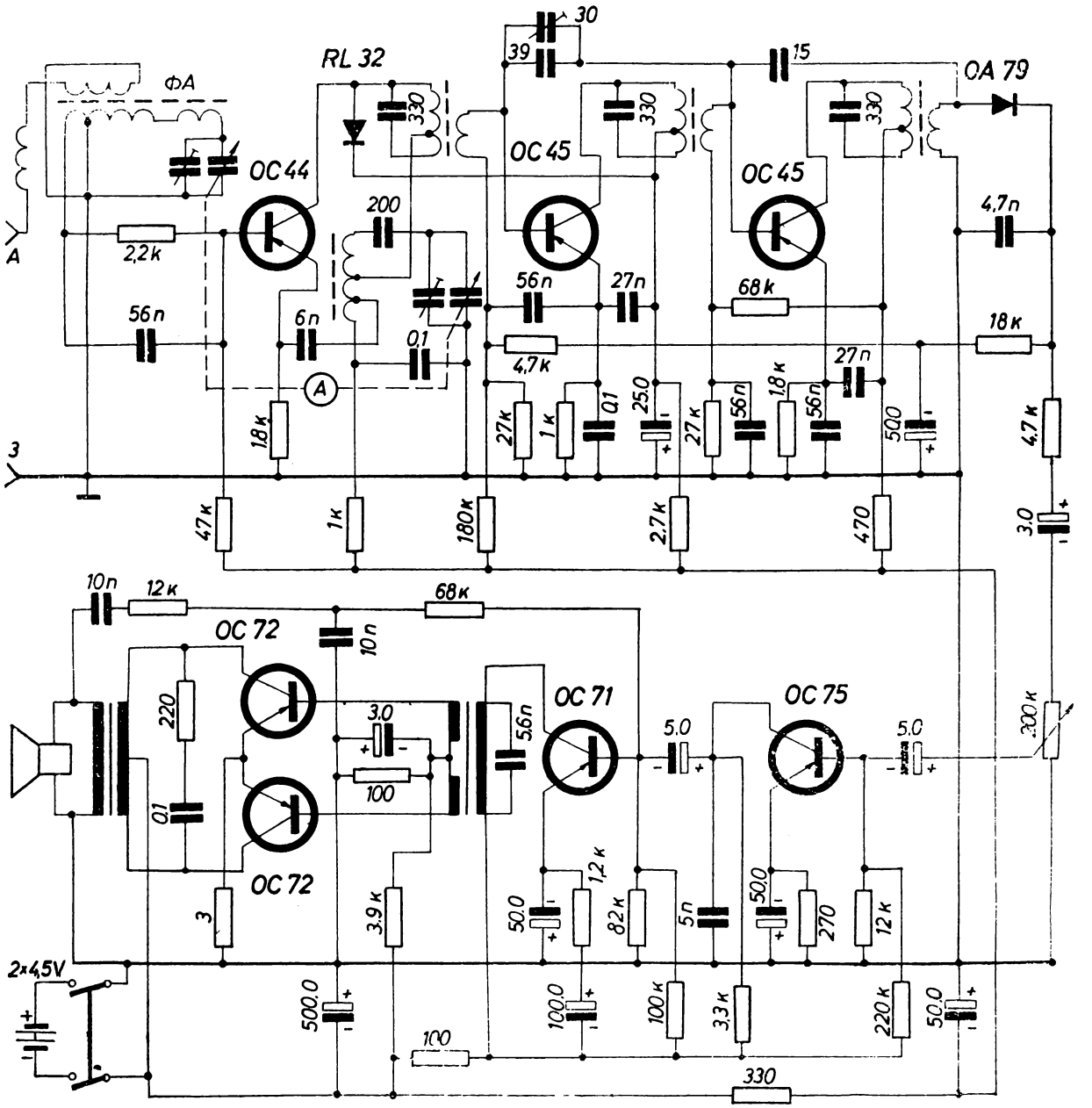
KAPSCH CAPRI

Обхват: СВ
МЧ = 455 кHz



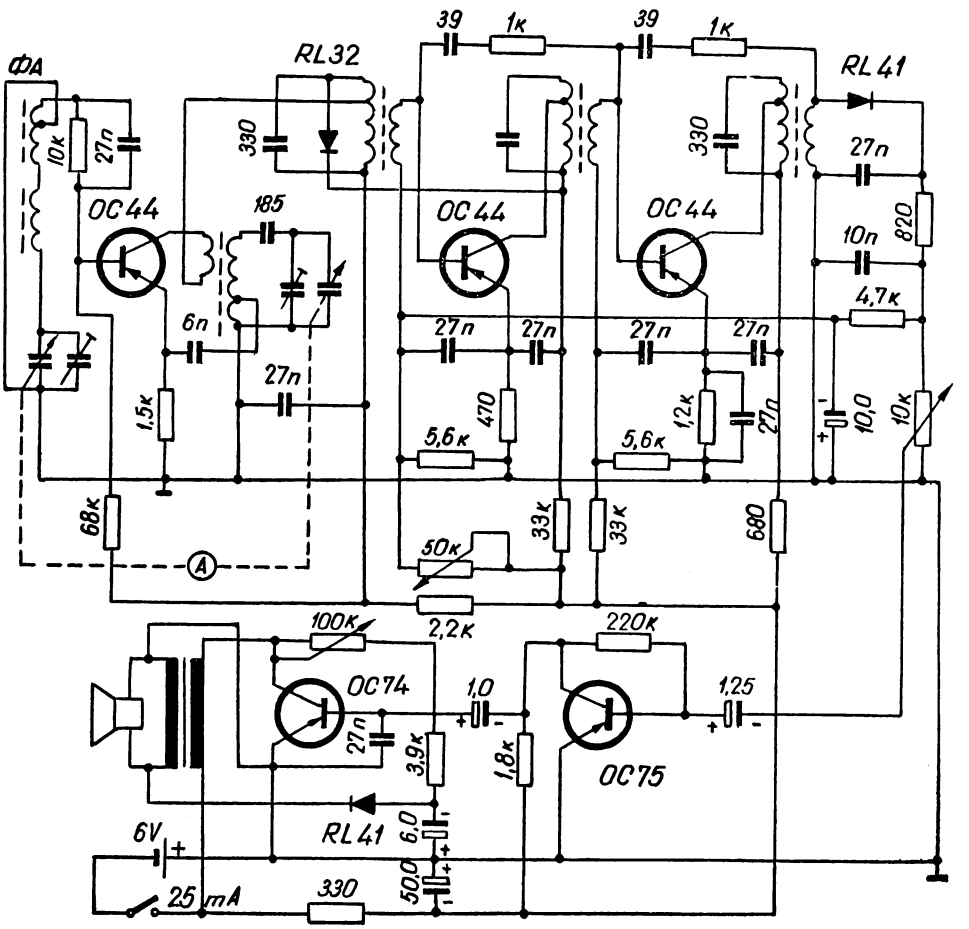
KAPSCH BALI

Обхват: СВ
МЧ=480 кHz



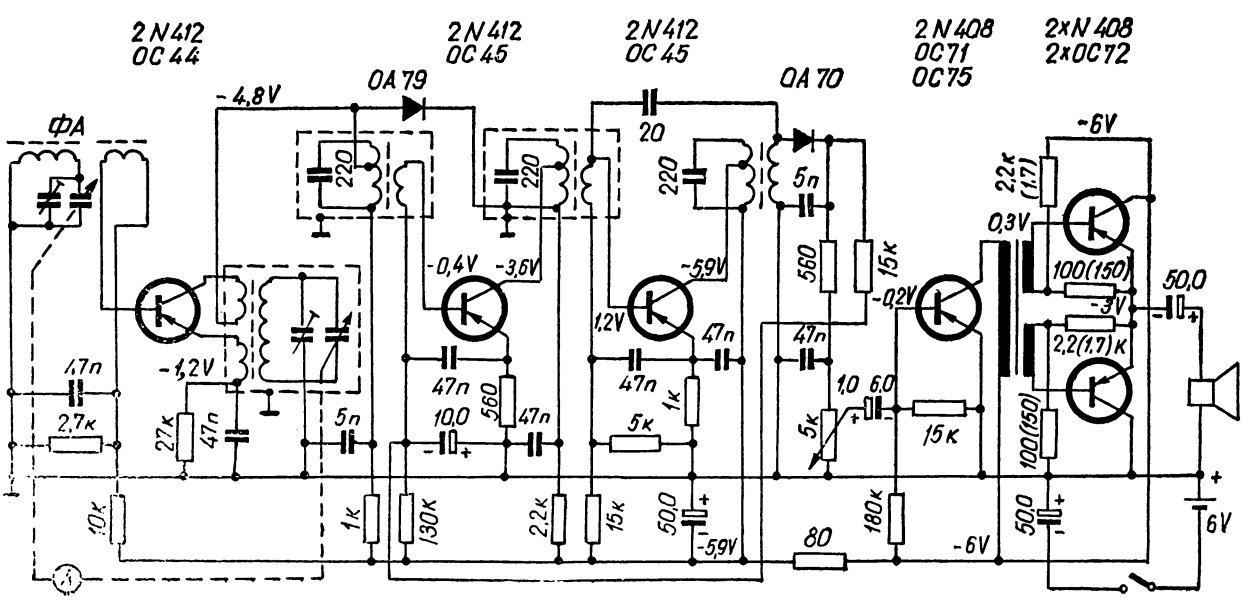
KAPSCH STARLET

Обхват: СВ
МЧ=455 кHz



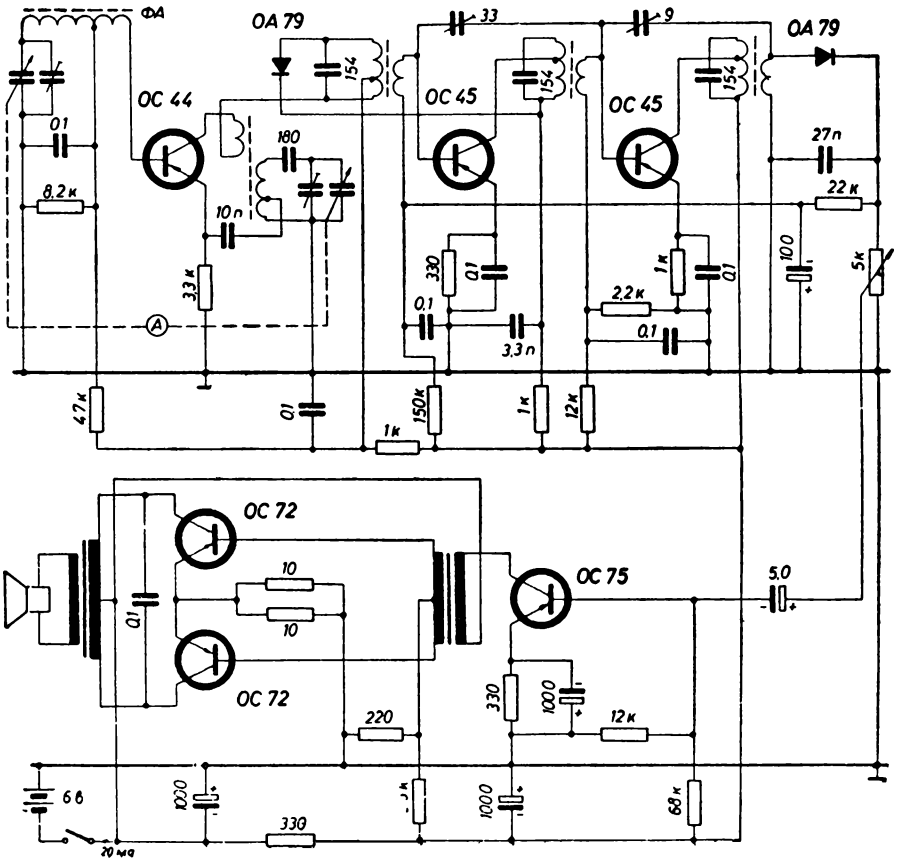
KRISTALWERK TS 59/60
Granada, Knirps, Rivera

Обхват: СВ
МЧ=460 кHz



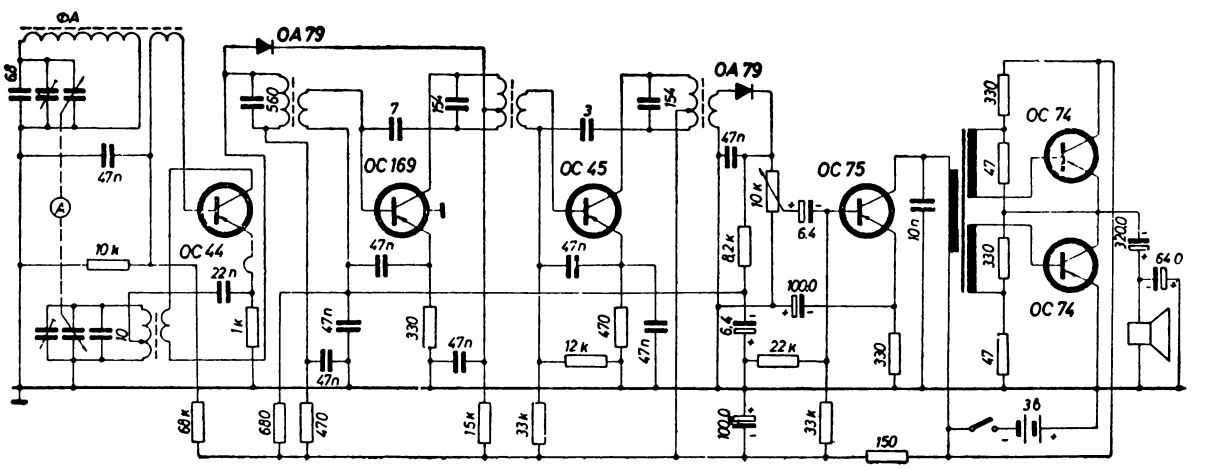
MINERVA MINX

Обхват: СВ
МЧ=461 кHz



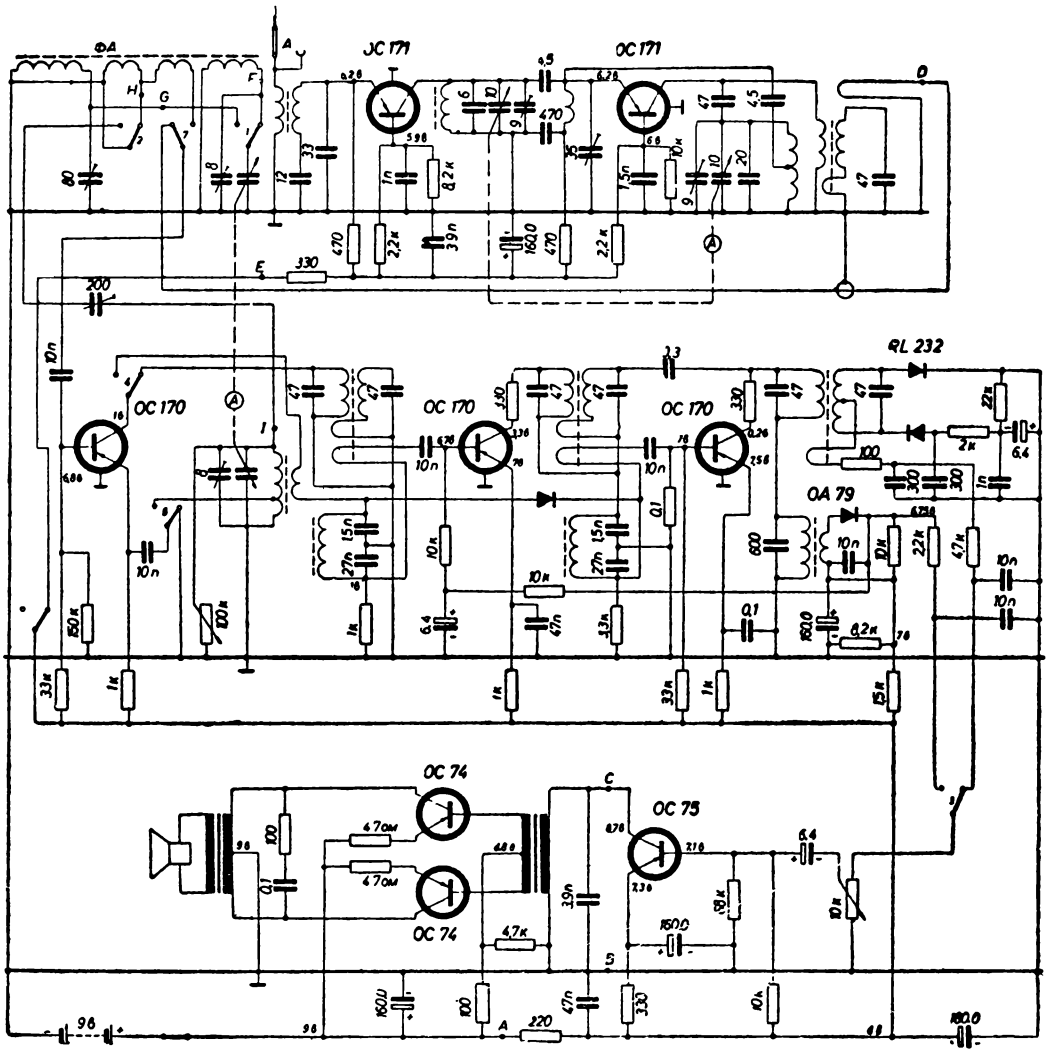
MINERVA 610

Обхват: СВ
МЧ=461 кHz



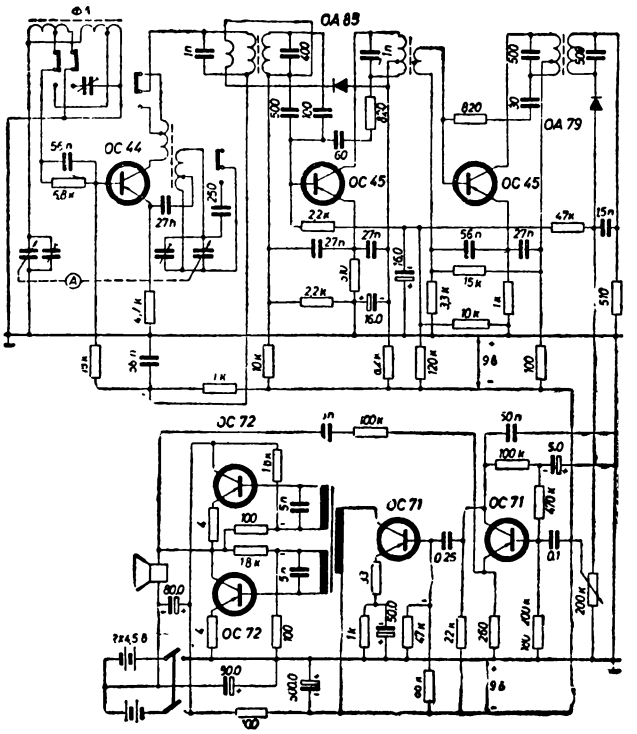
MINERVA UKW (611)

Обхвати: УКВ, СВ, ДВ
МЧ=461 кHz



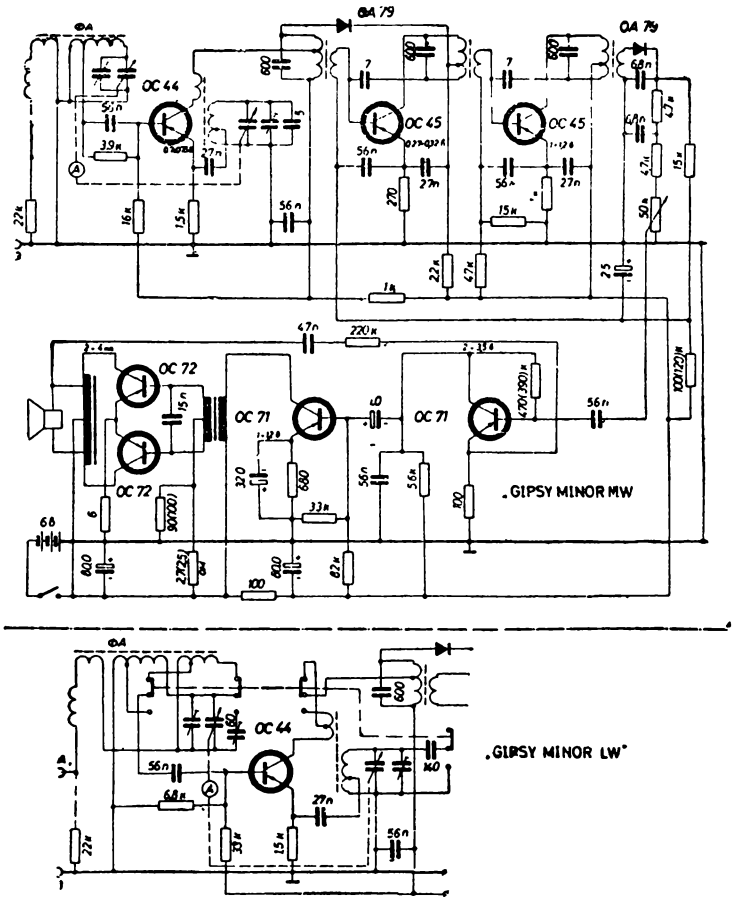
RADIONE GIPSY MW, GIPSY LW

Обхват: при MW — СВ
при LW — ДВ
МЧ=461 кHz



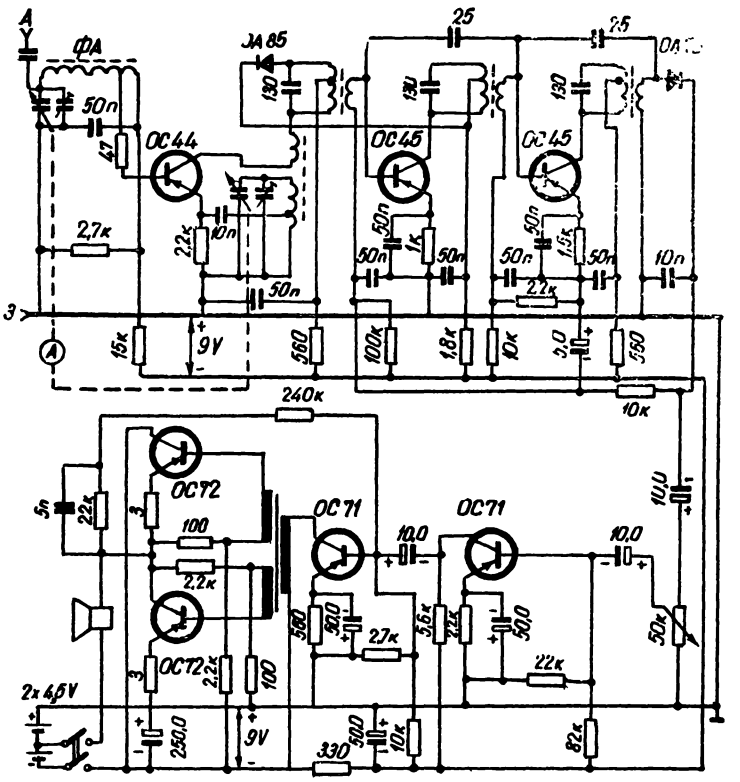
RADIONE GIPSY MINOR MW, GIPSY MINOR LW

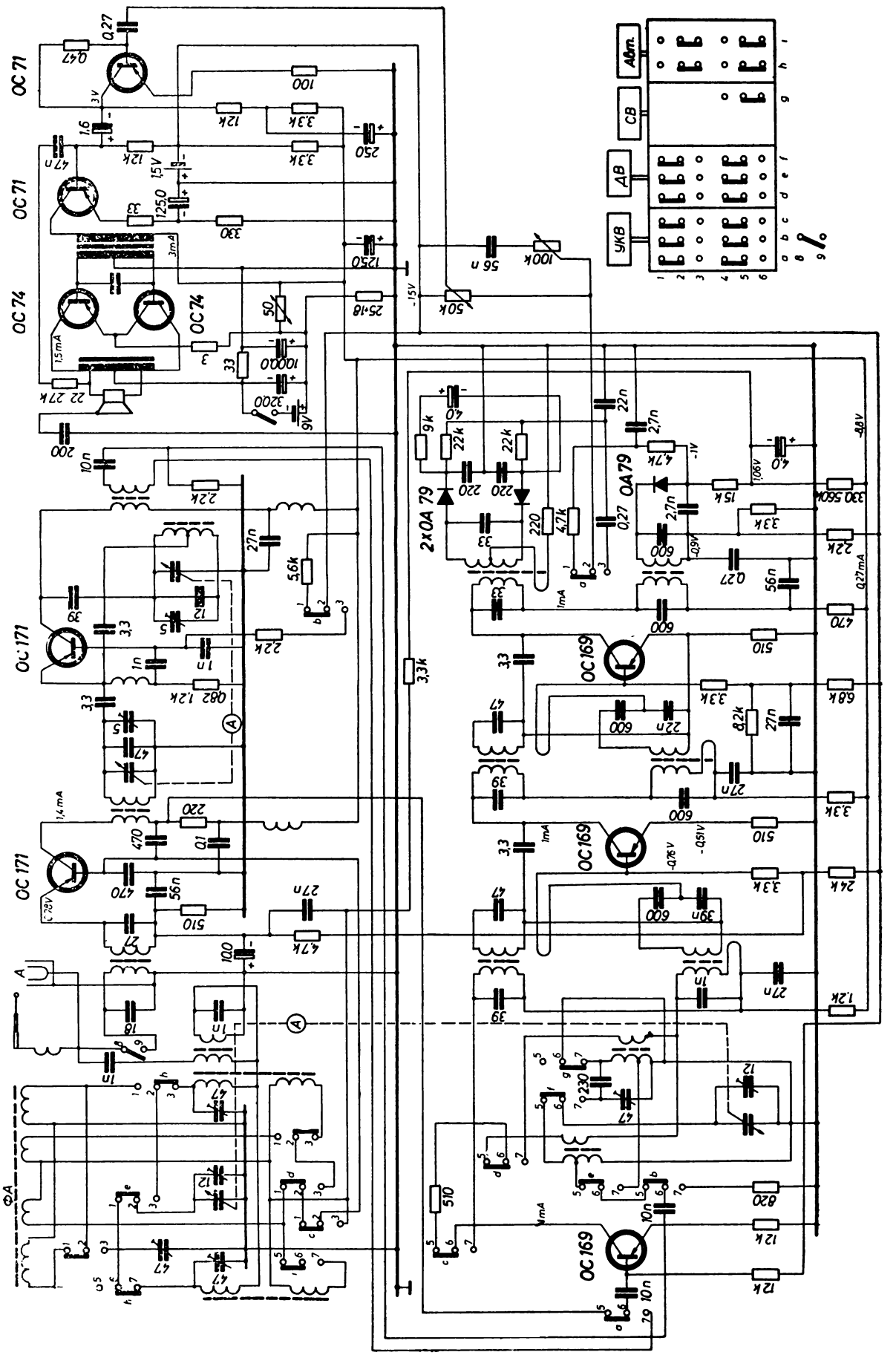
Обхват: при MW — СВ
при LW — ДВ
МЧ=461 kHz



HEA TRIXI 58

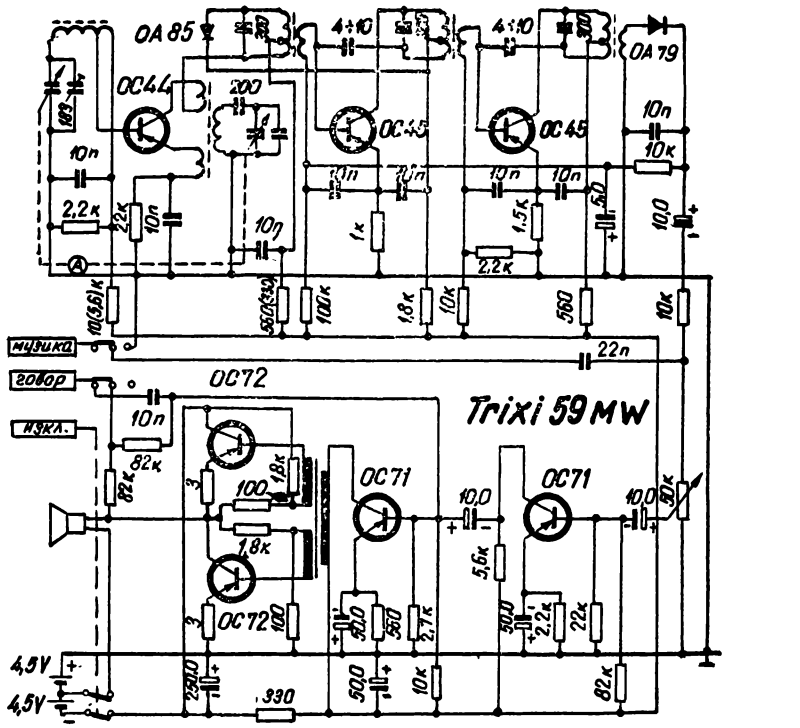
МЧ=459 kHz

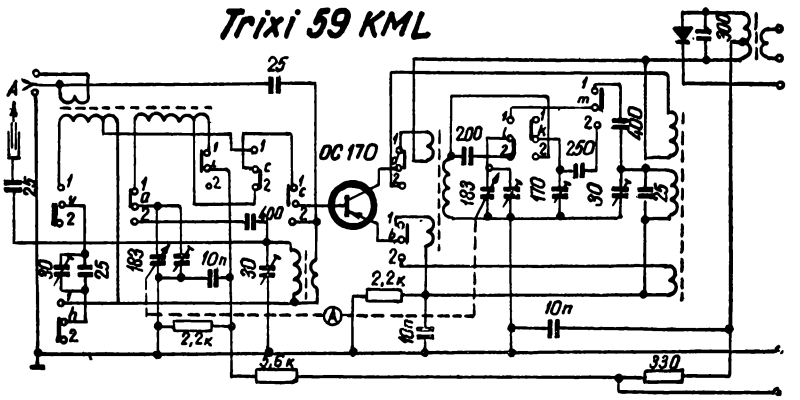



ОС 71
ОС 71
ОС 74
ОС 74
ОС 171
ОС 171
2хОА 79
ОА 79
ОС 169
ОС 169
ОС 169
ФА
АВт.
СВ
АВ
УКВ

Обхват: при 59 MW — СВ
при 59 KML — КВ, СВ, ДВ

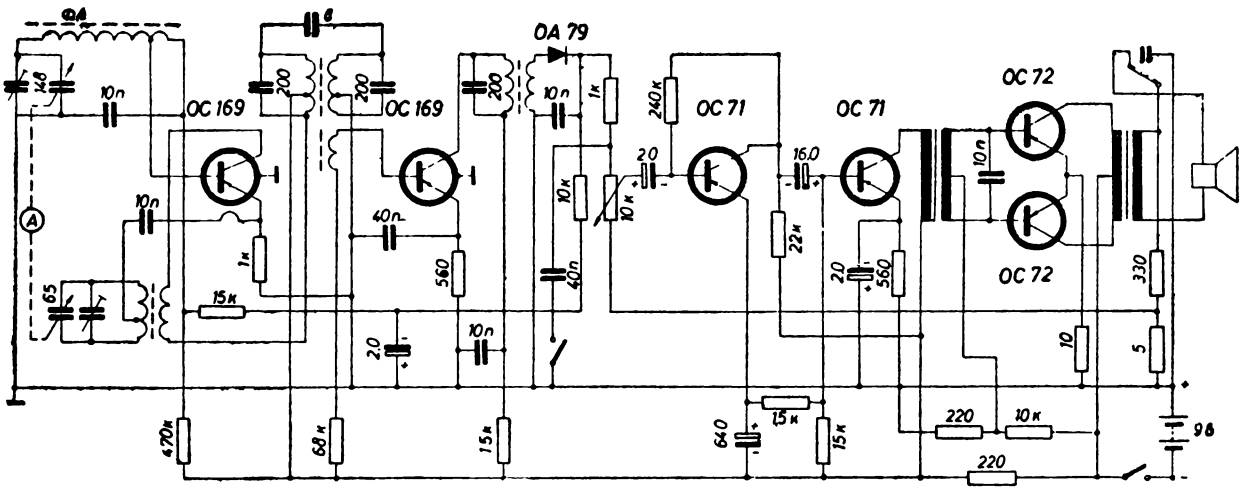
МЧ=459 кHz





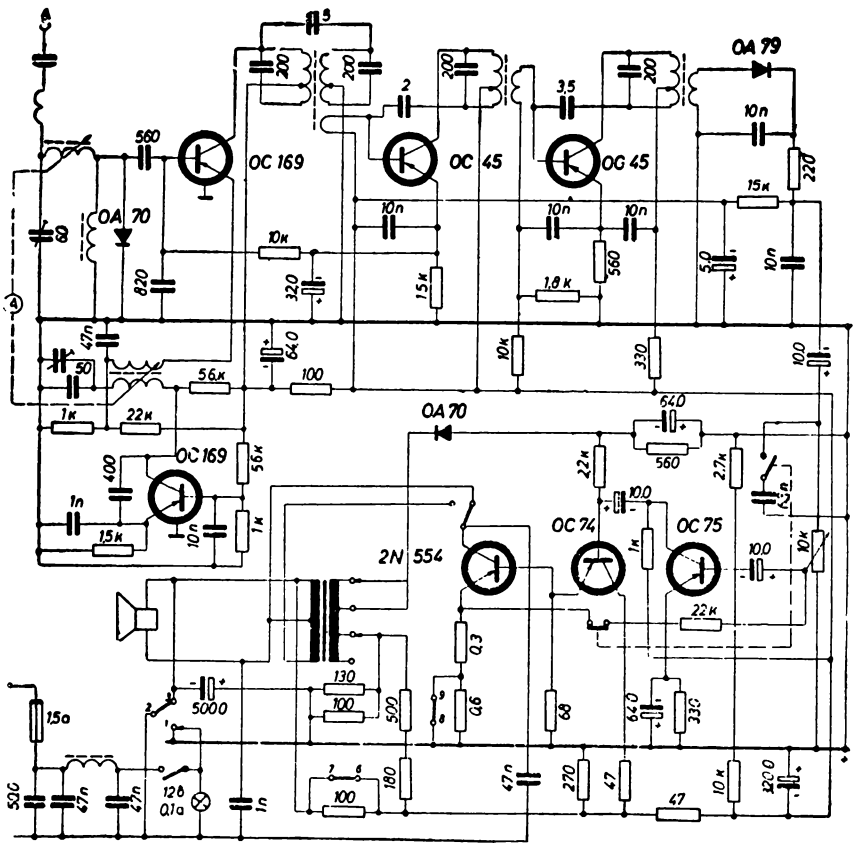
HEA BIJOU 60

Обхват: СВ
МЧ=455 кHz



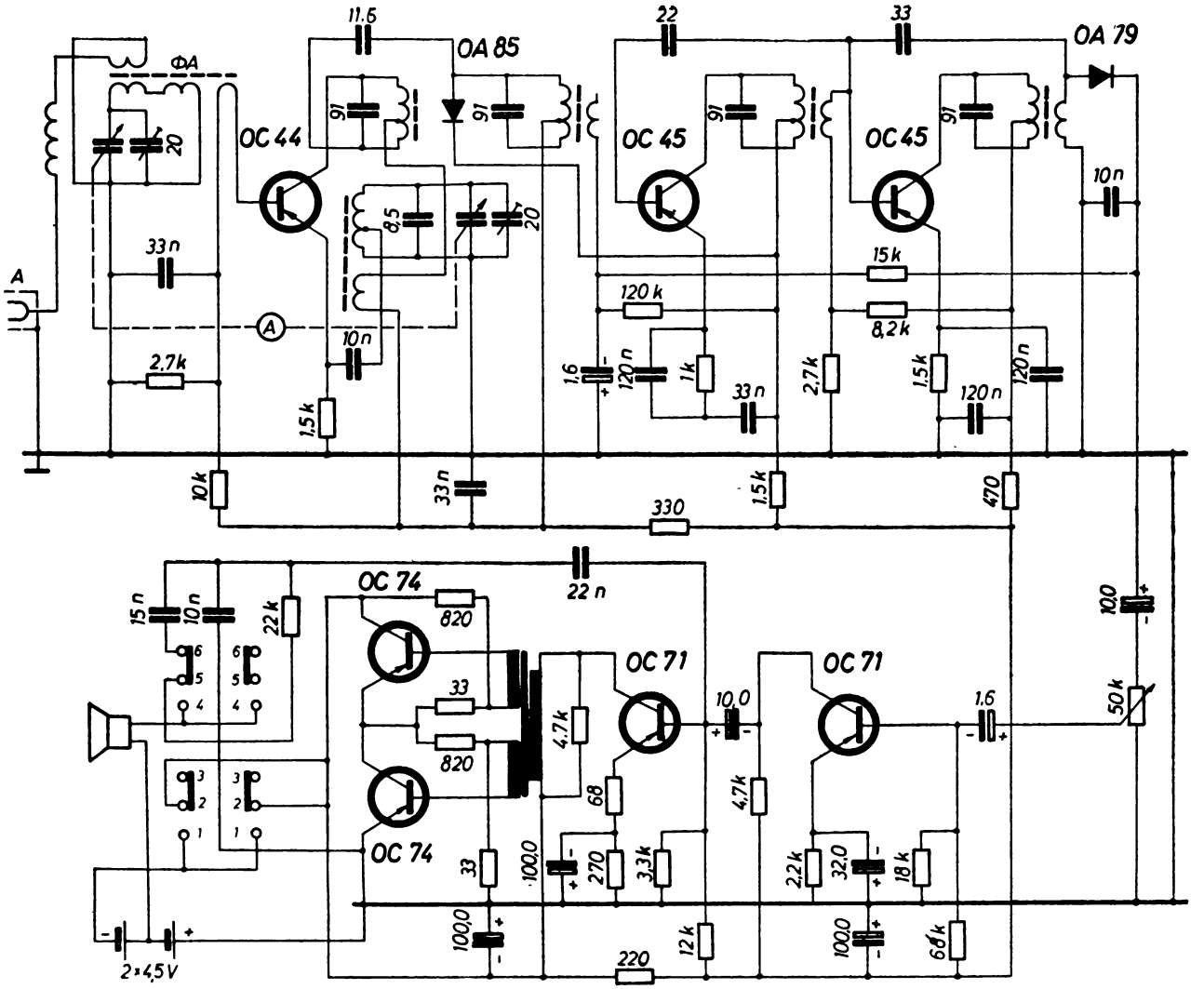
HEA TRIBUN

Обхват: СВ
МЧ=455 кHz



HORNIPHON ISABELL WL 399 T

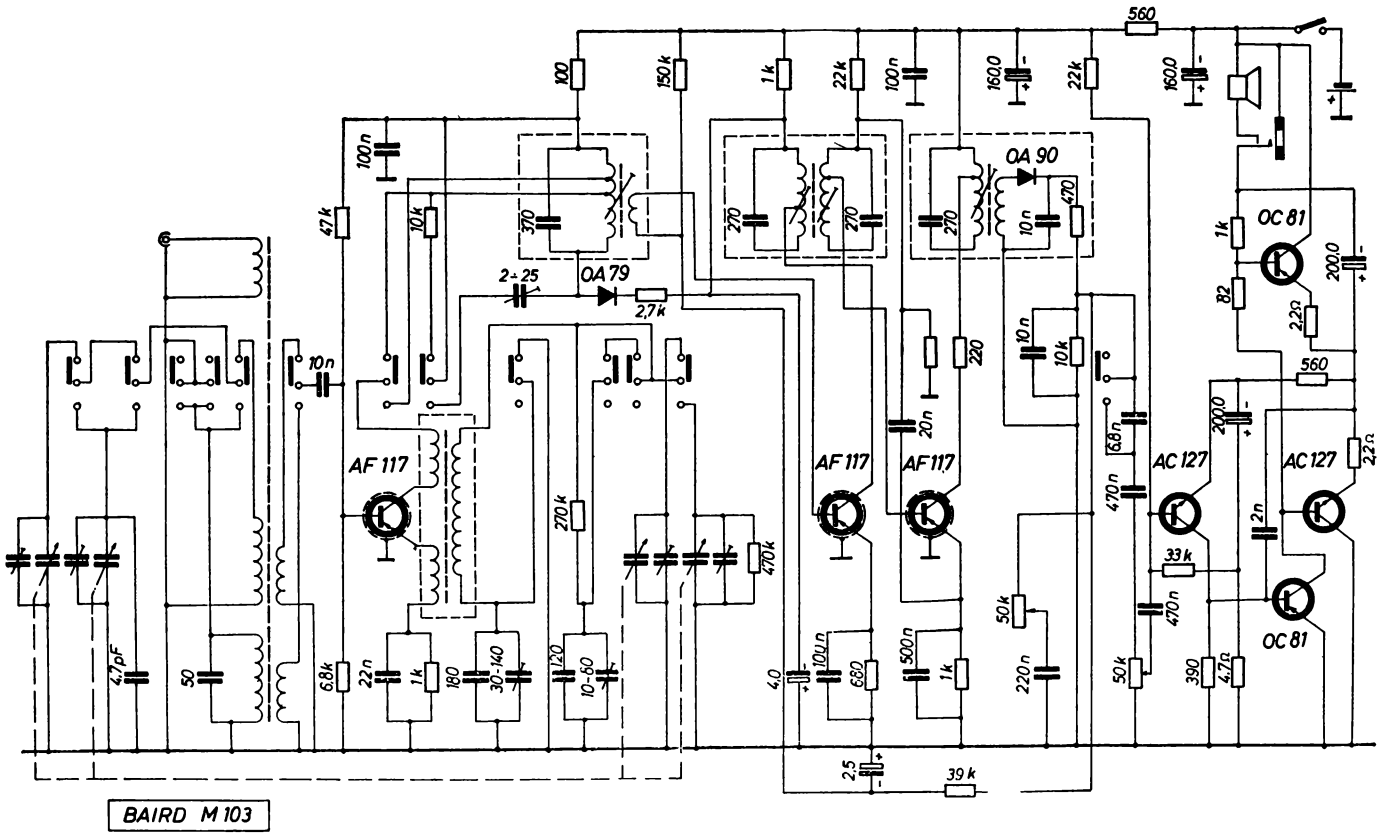
Обхват: СВ
МЧ=460 кHz



АНГЛИЙСКИ РАДИОПРИЕМНИЦИ

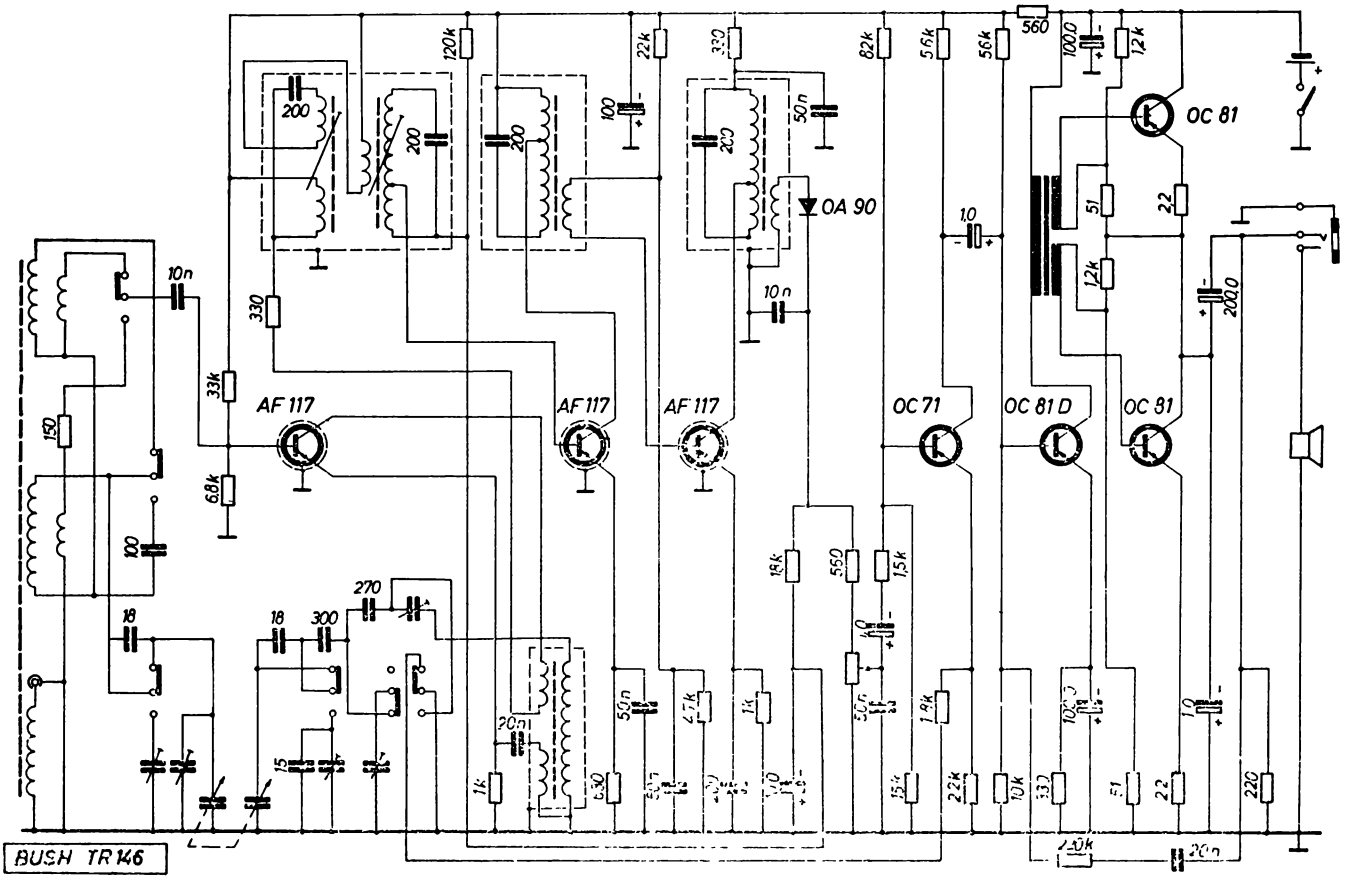
BAIRD M 103

Обхвати: СВ 573÷1500 kHz
ДВ 150÷262 kHz
Спец. 1374÷1640 kHz
МЧ=470 kHz



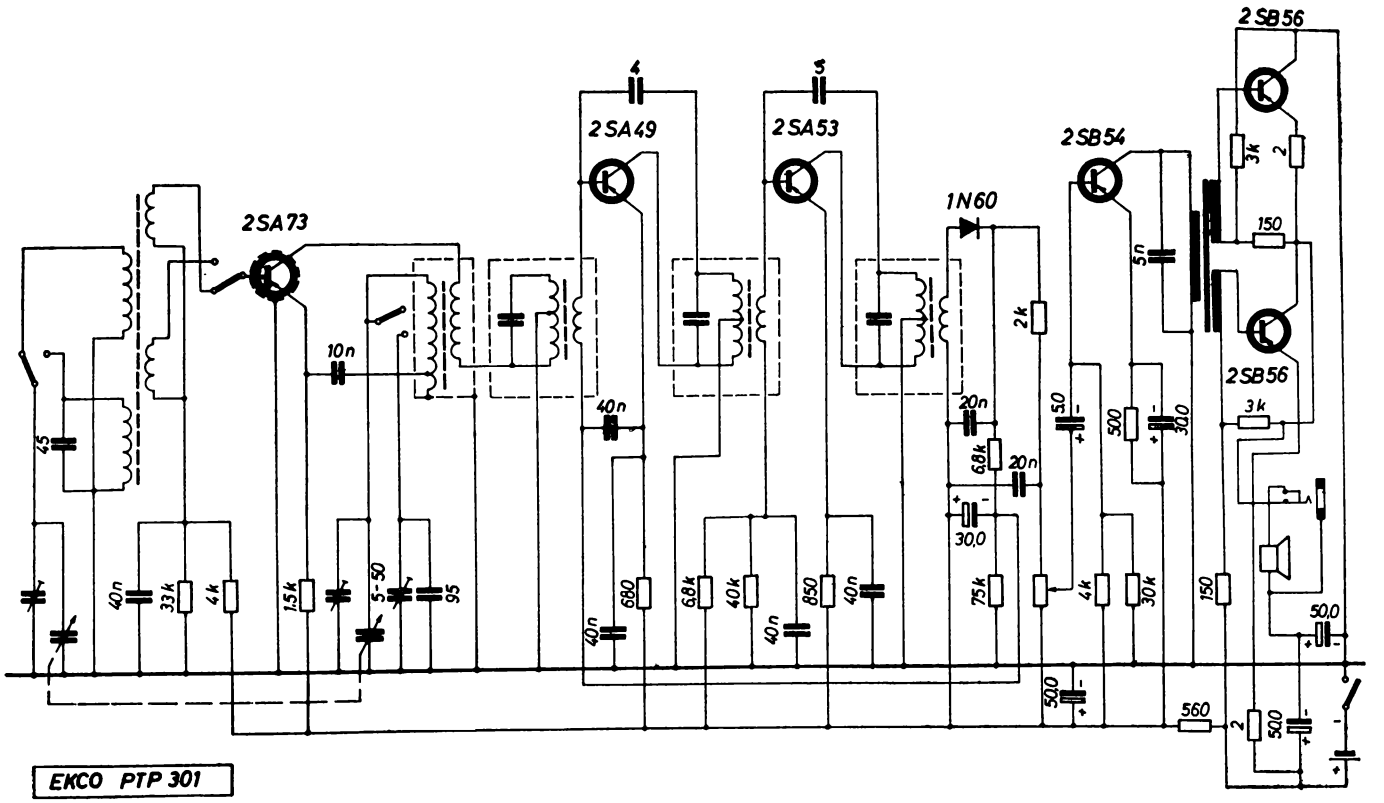
BUSHTR 146 MARPHY B 822

Обхвати: СВ, ДВ, Спец. (1430÷1605 kHz) МЧ=470 kHz



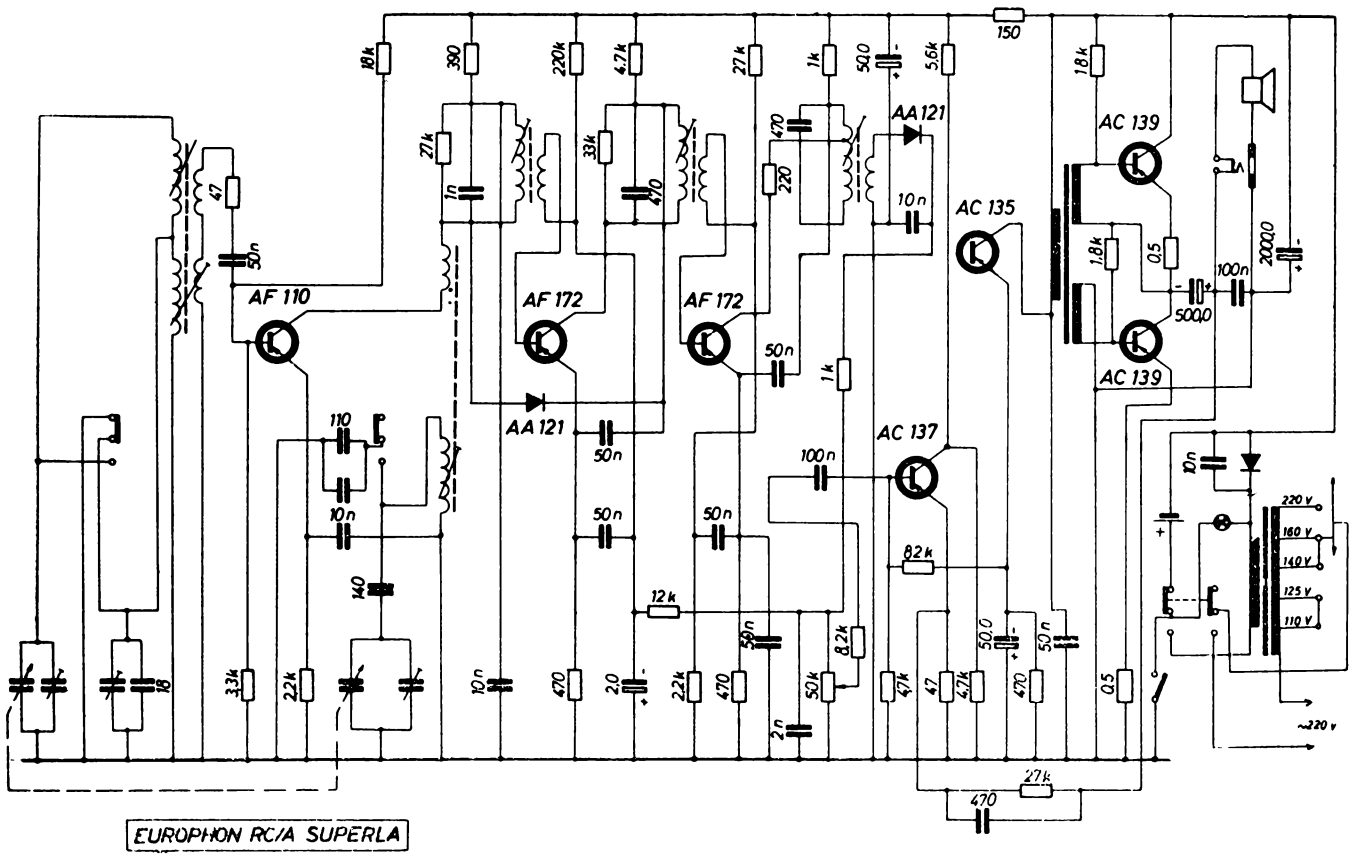
EKCO PTR 30; PTR 462 (ELF)

Обхвати: СВ, ДВ
МЧ=470 кHz

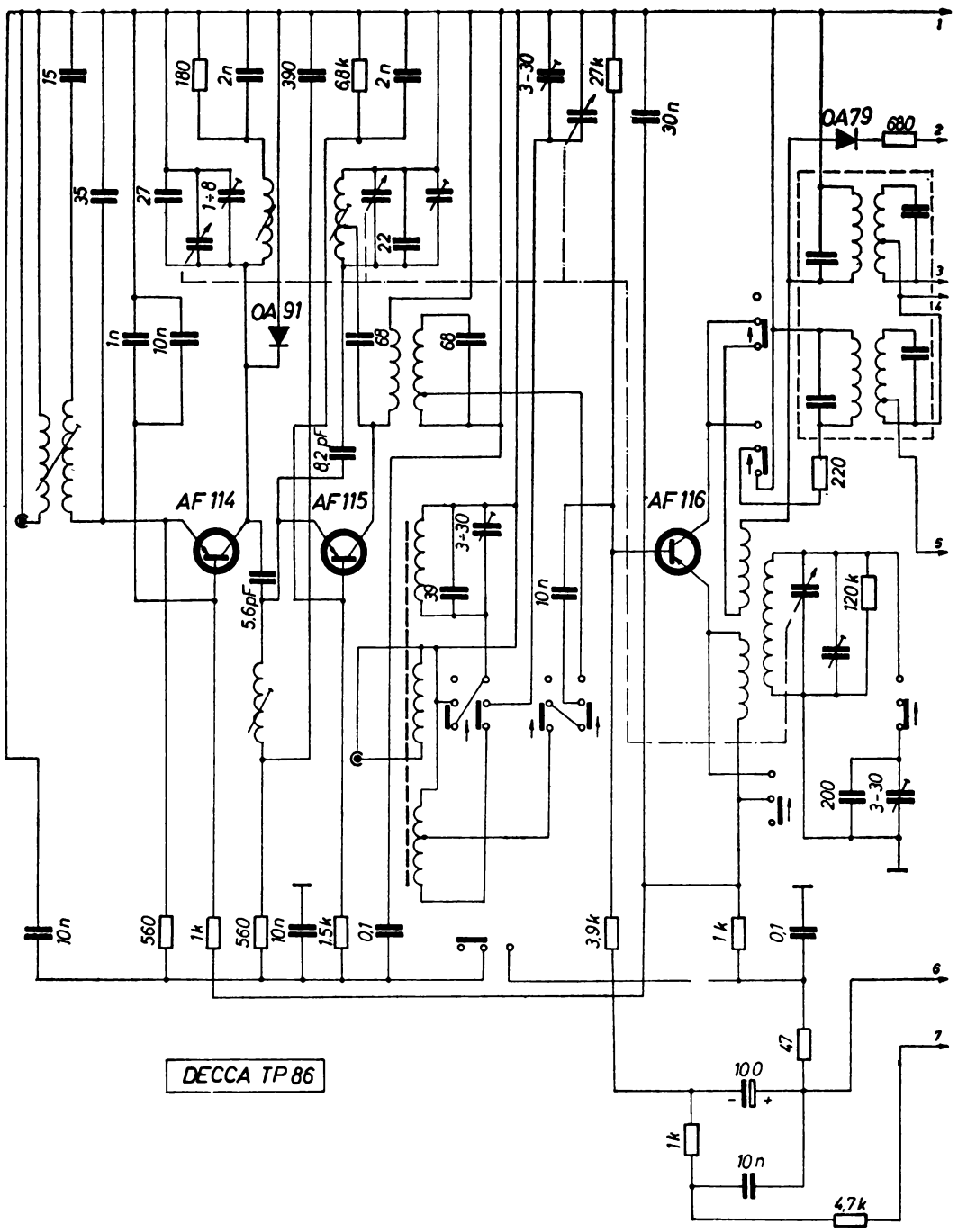


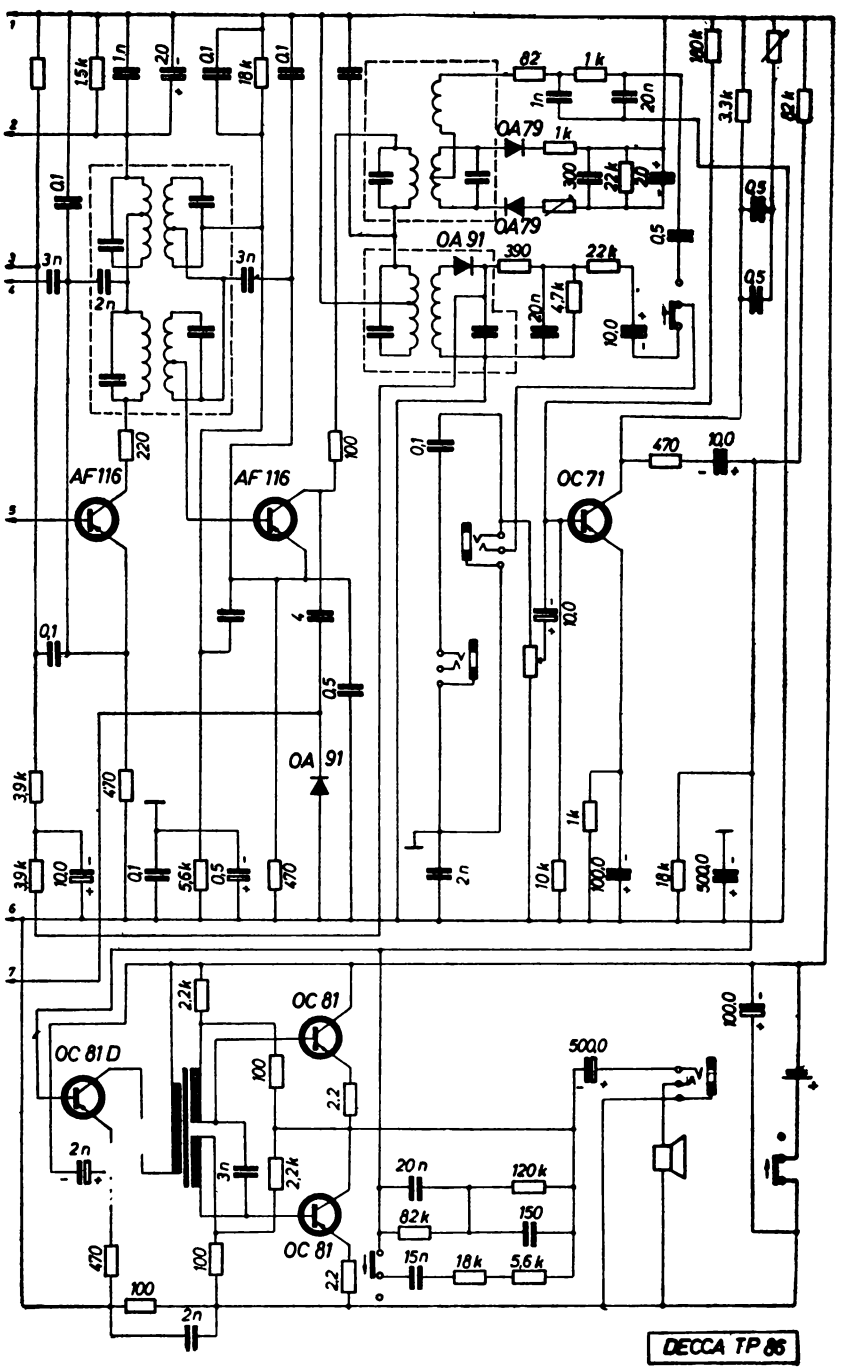
UROPHON RC/A SUPERLA

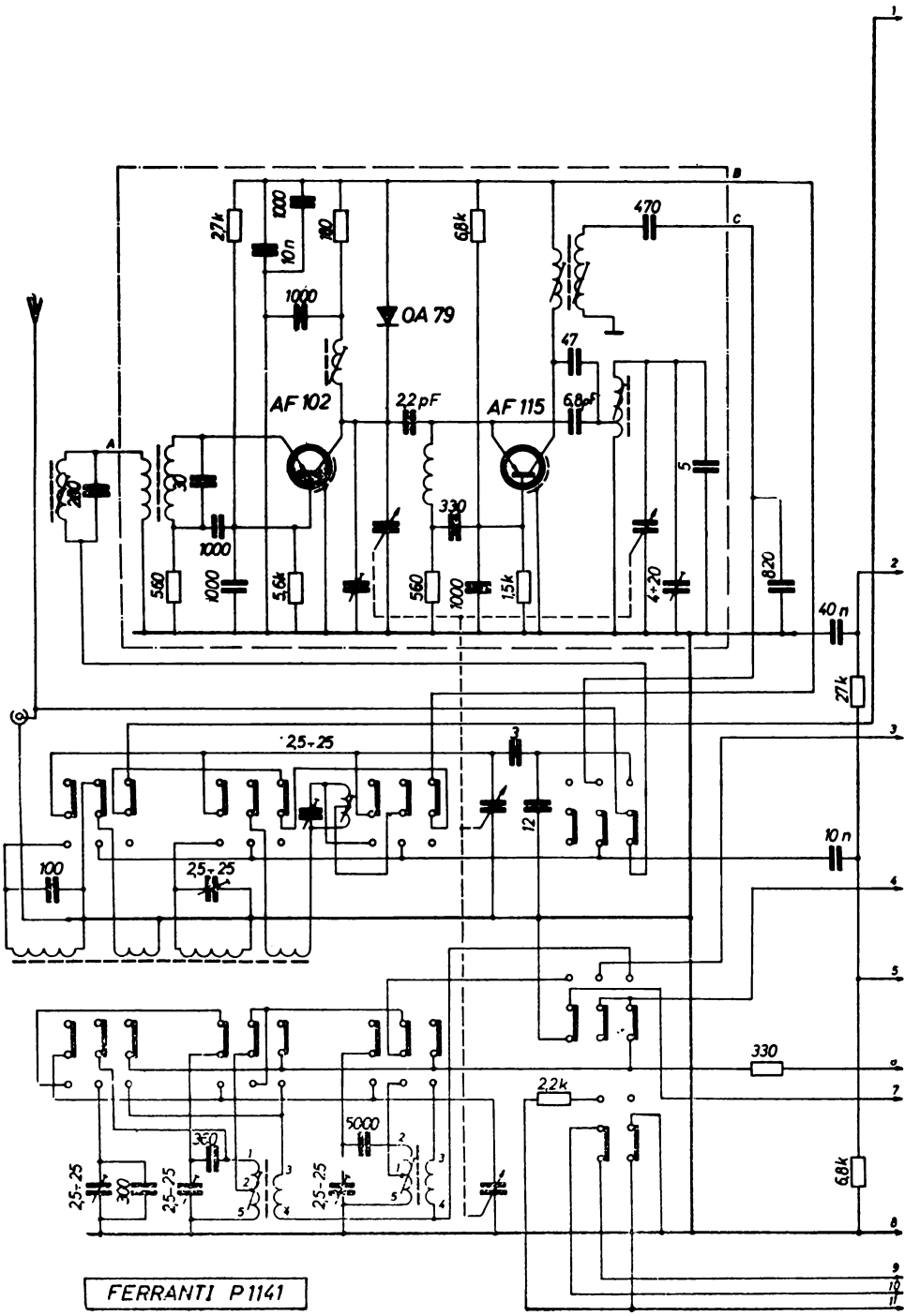
Обхвати: СВ. ДВ
МЧ=470 кHz



Обхвати: УКВ, СВ, ДВ
МЧ=472 кHz

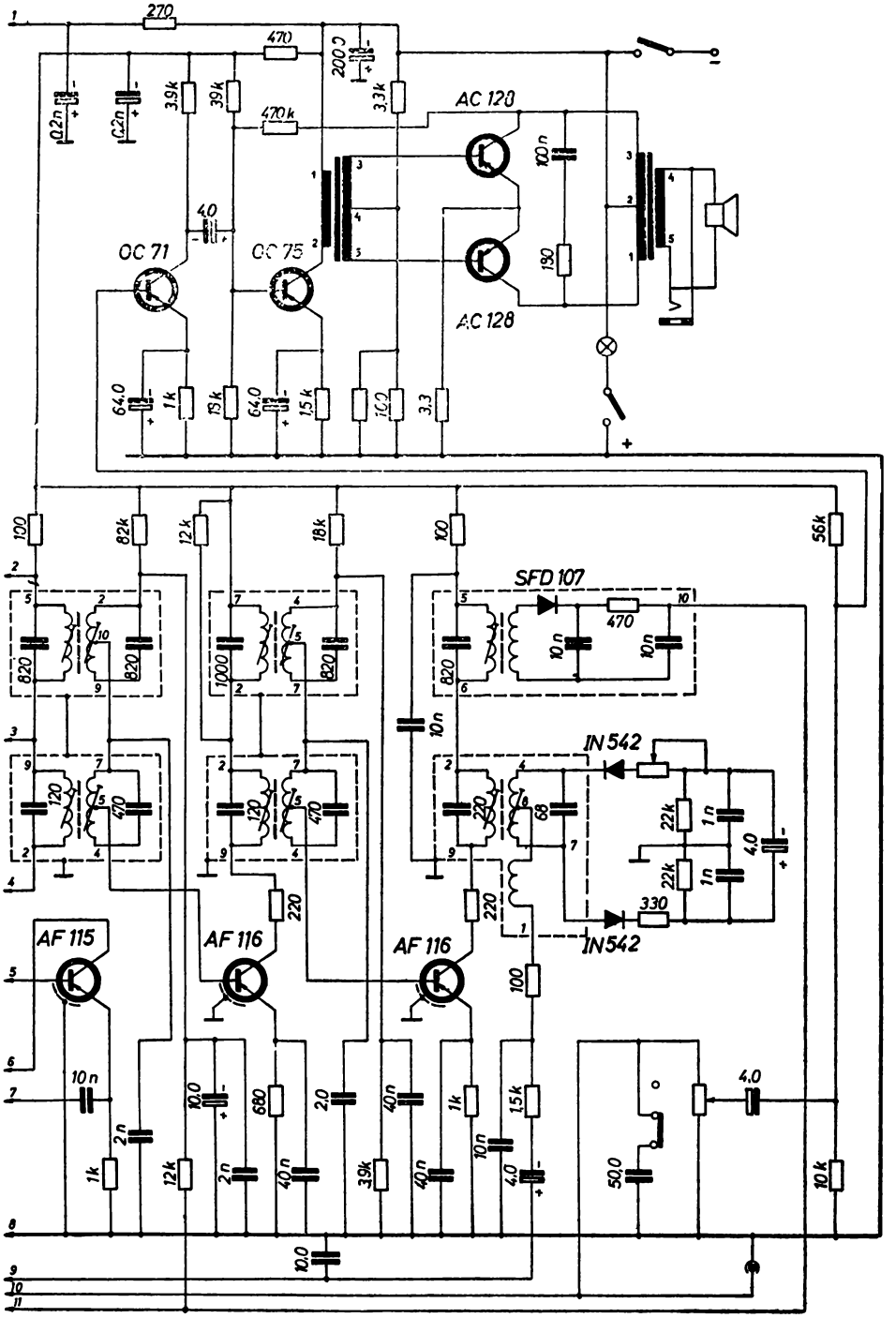



AF116
AF116
OC71
OA91
OA79
OA79
OA91
OC81D
OC81
OC81
DECCA TP86


FERRANTI P1141
OA 79
AF 102
AF 115
22pF
6,8pF
470
47
330
2,2k
6,8k
27k
40n
10n
820
5
25÷25
5000
360
100

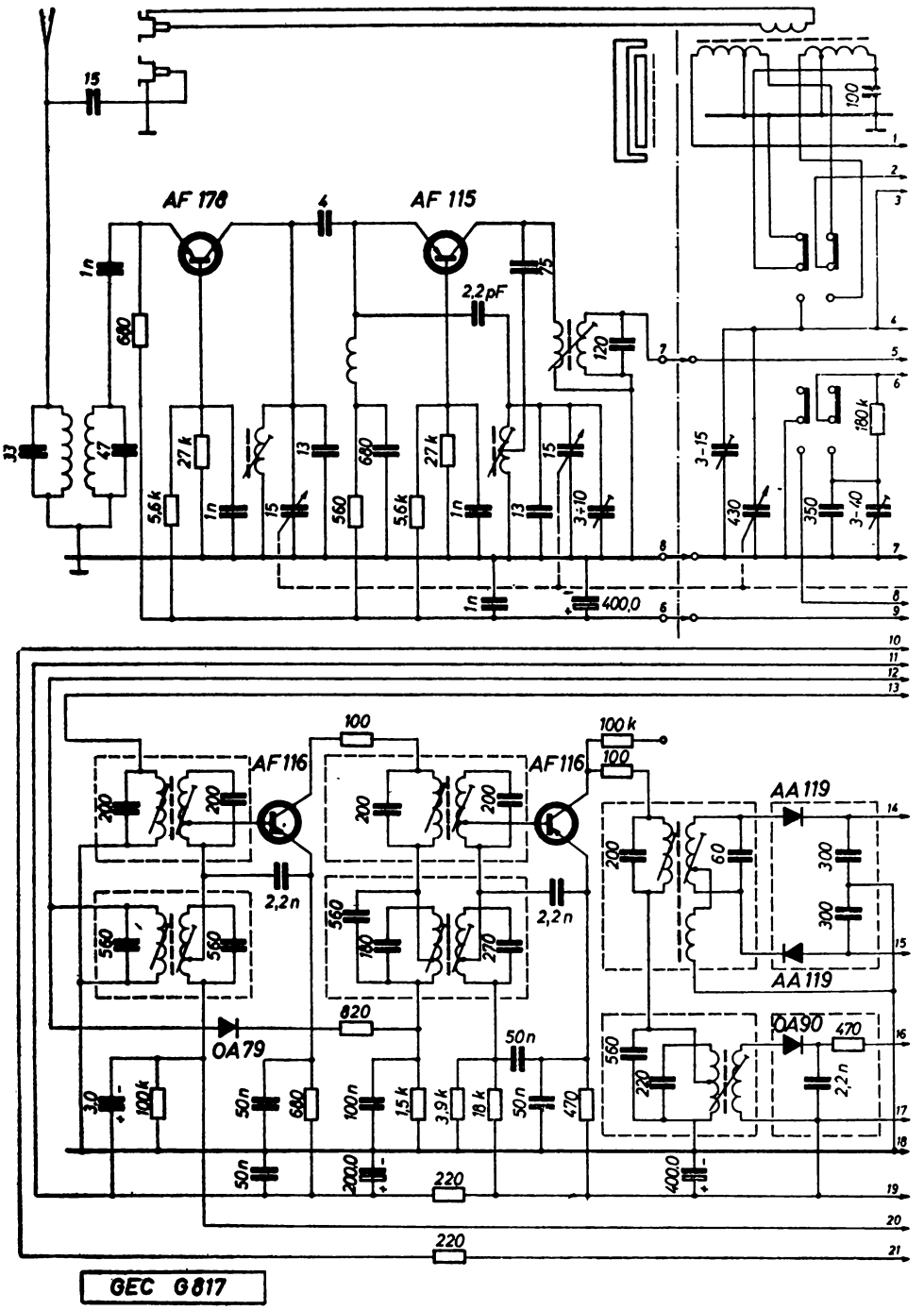
FERRANTI P 1141

Обхвати: УКВ, СВ, ДВ
МЧ=470 кHz

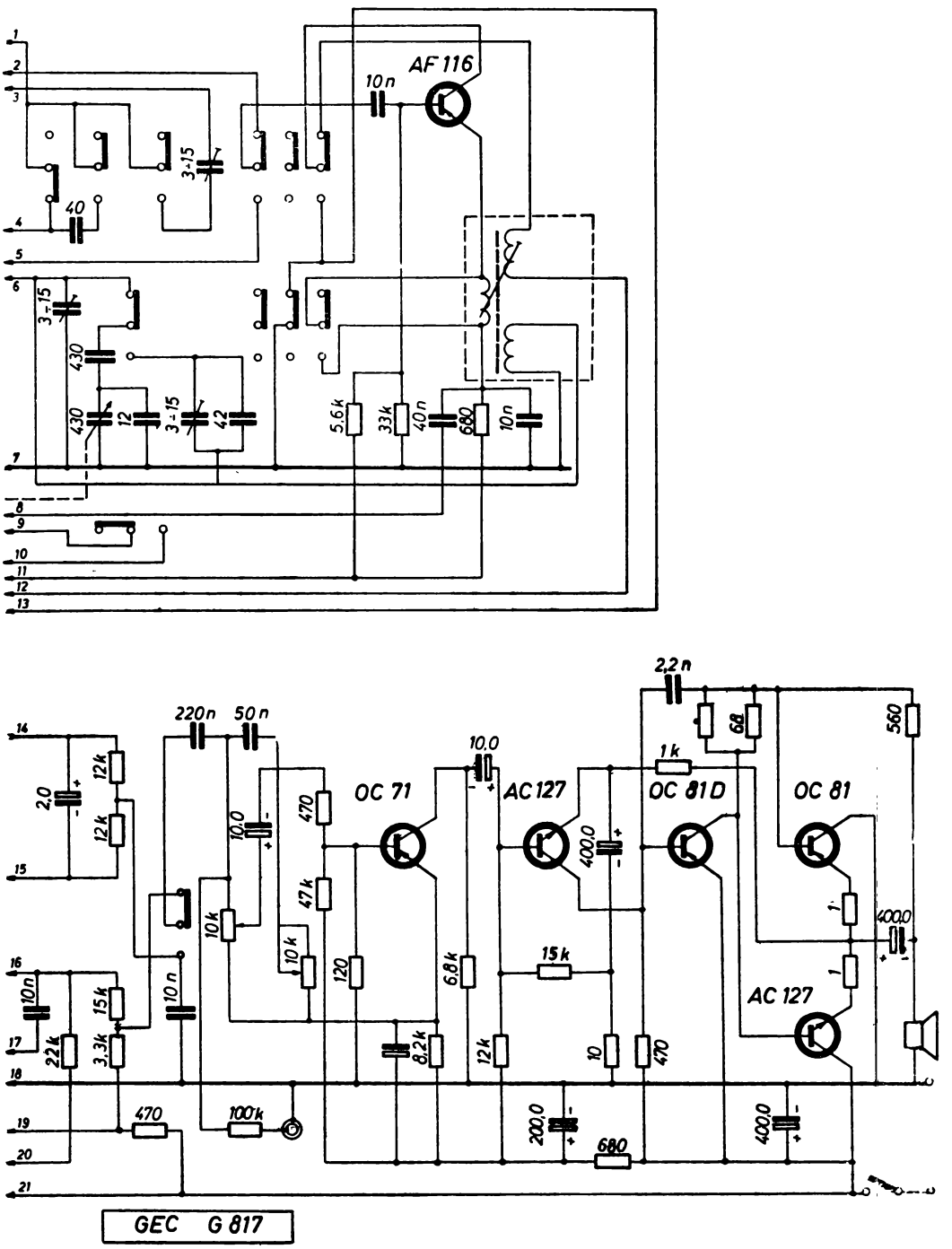


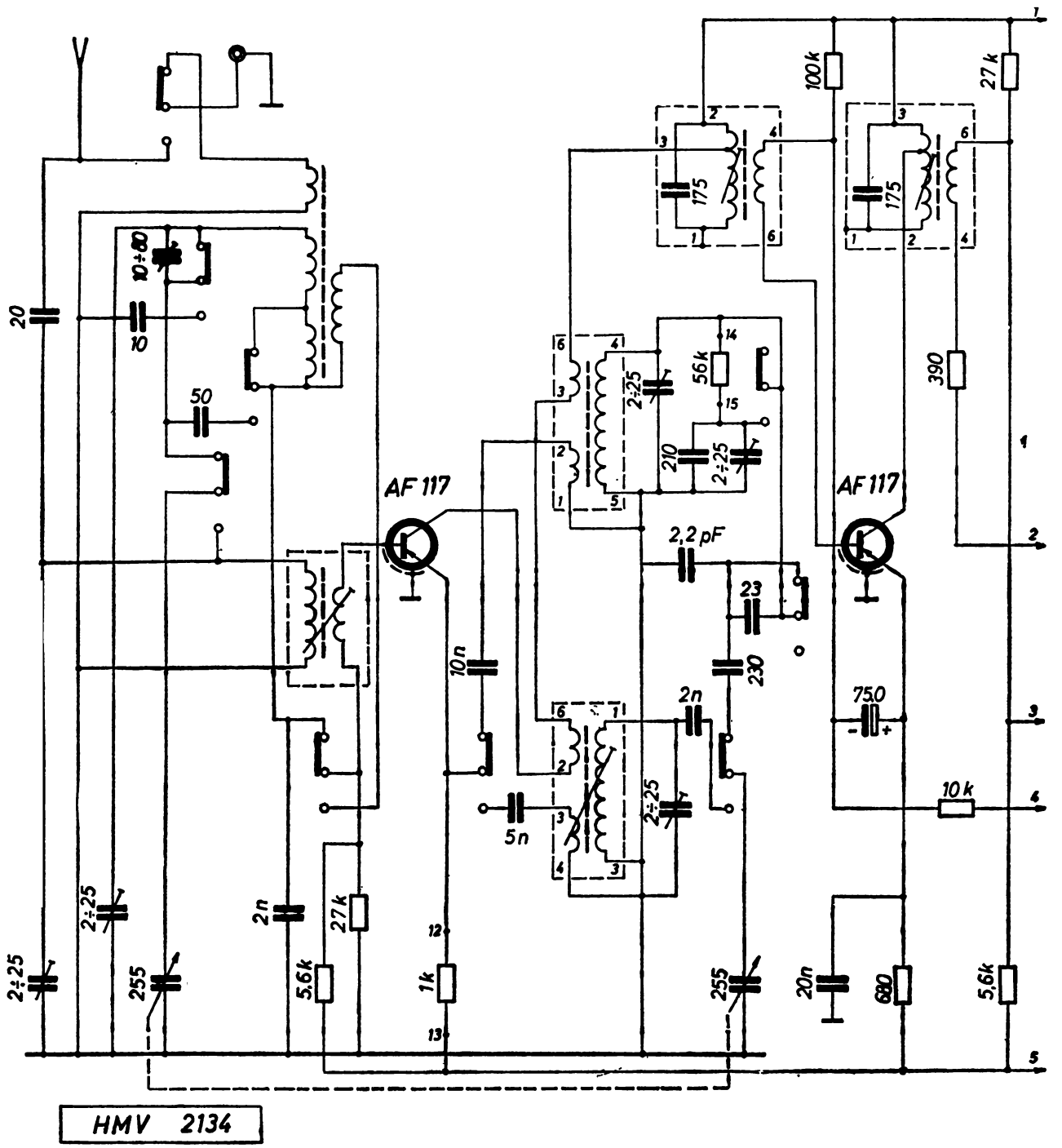
GEC G 817, MASTERADIO D 517

Обхват: УКВ, СВ, ДВ, Спец. /1400÷1700 кHz)
МЧ=470 кHz



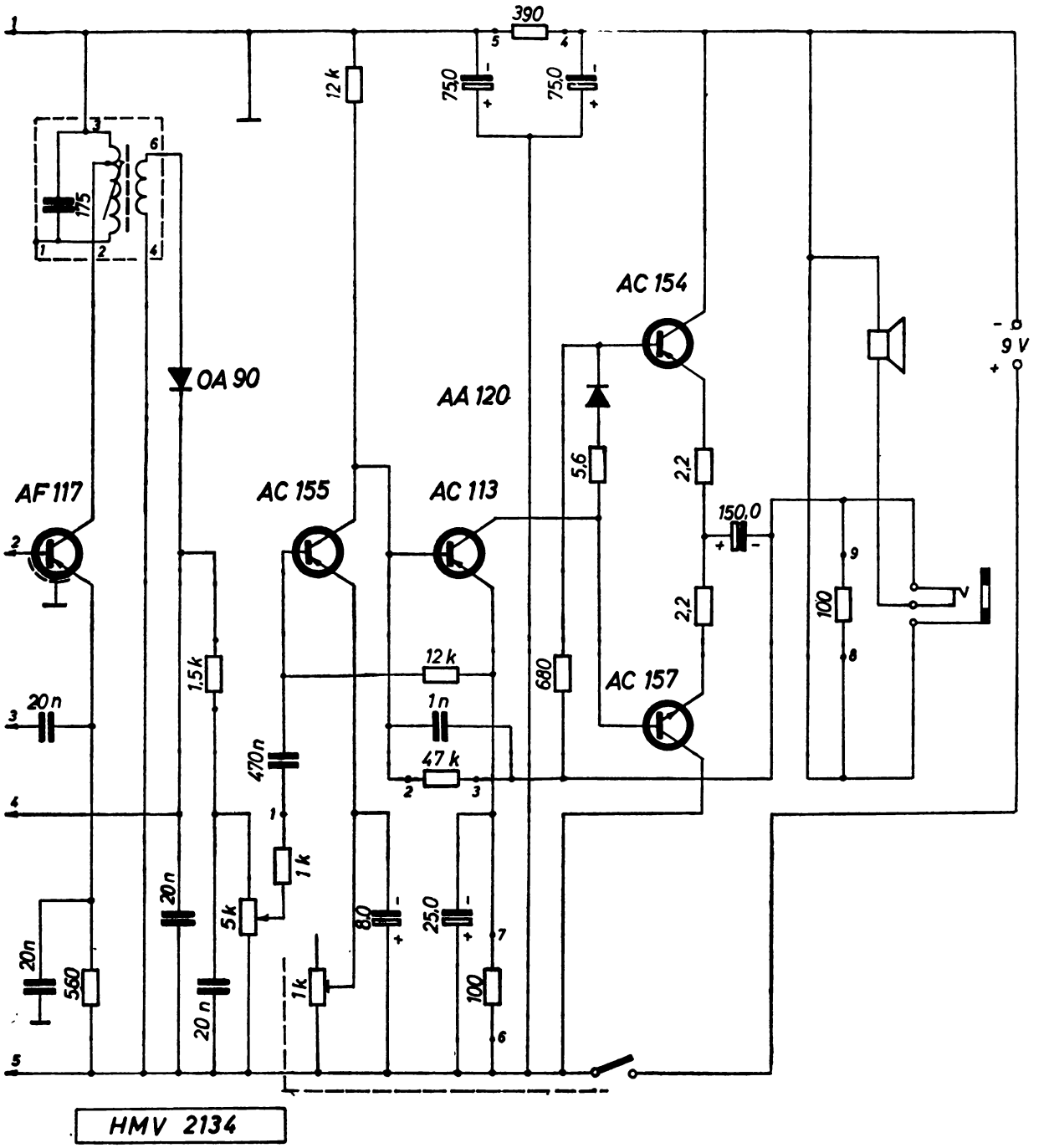
GEC G817, MASTERADIO D 517




AF 117
AF 117
2,2 pF
10n
5n
2n
2n
56k
210
390
100k
27k
10k
680
20n
5,6k
1k
27k
5.6k
50
20
10
10÷80
2÷25
255
175
230
23
750
HMV 2134

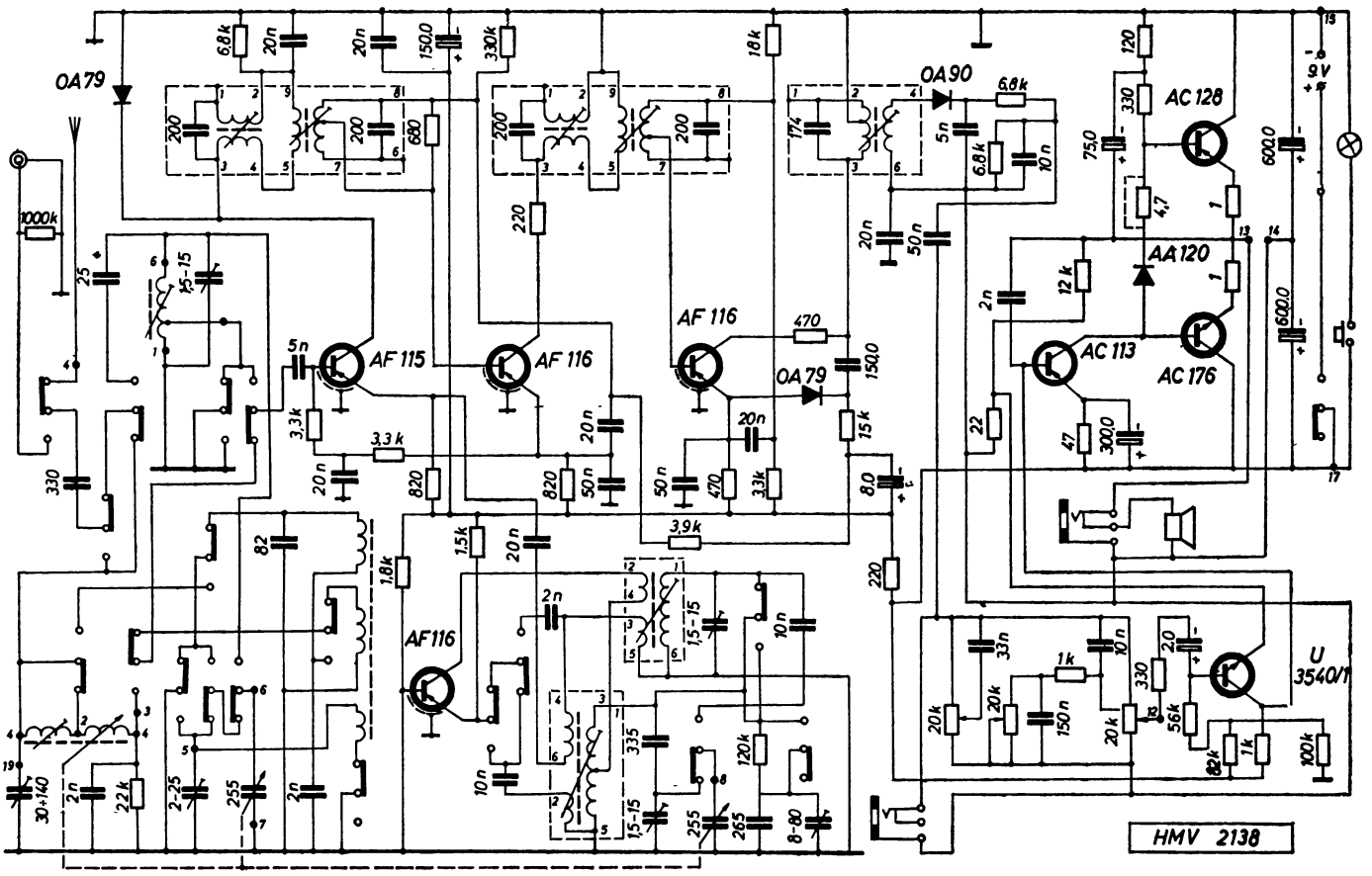
HMV .2134

Обхват: КВ, СВ, ДВ, Спец. /1380÷1630 кHz)
МЧ=475 кHz

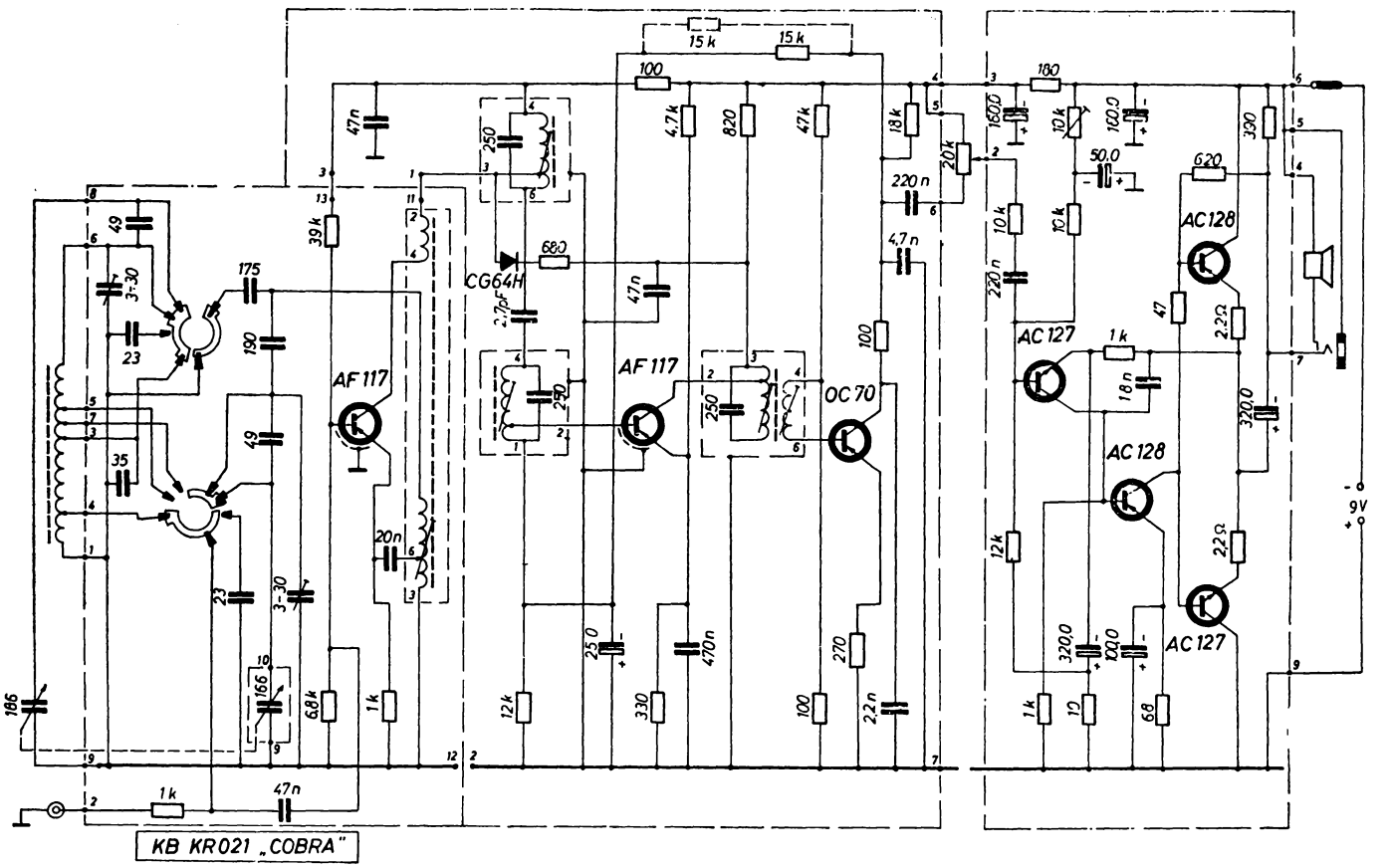


HMV 2138. MARCONIPHONE 4130

Обхват: КВ, СВ, ДВ
МЧ=475 кHz

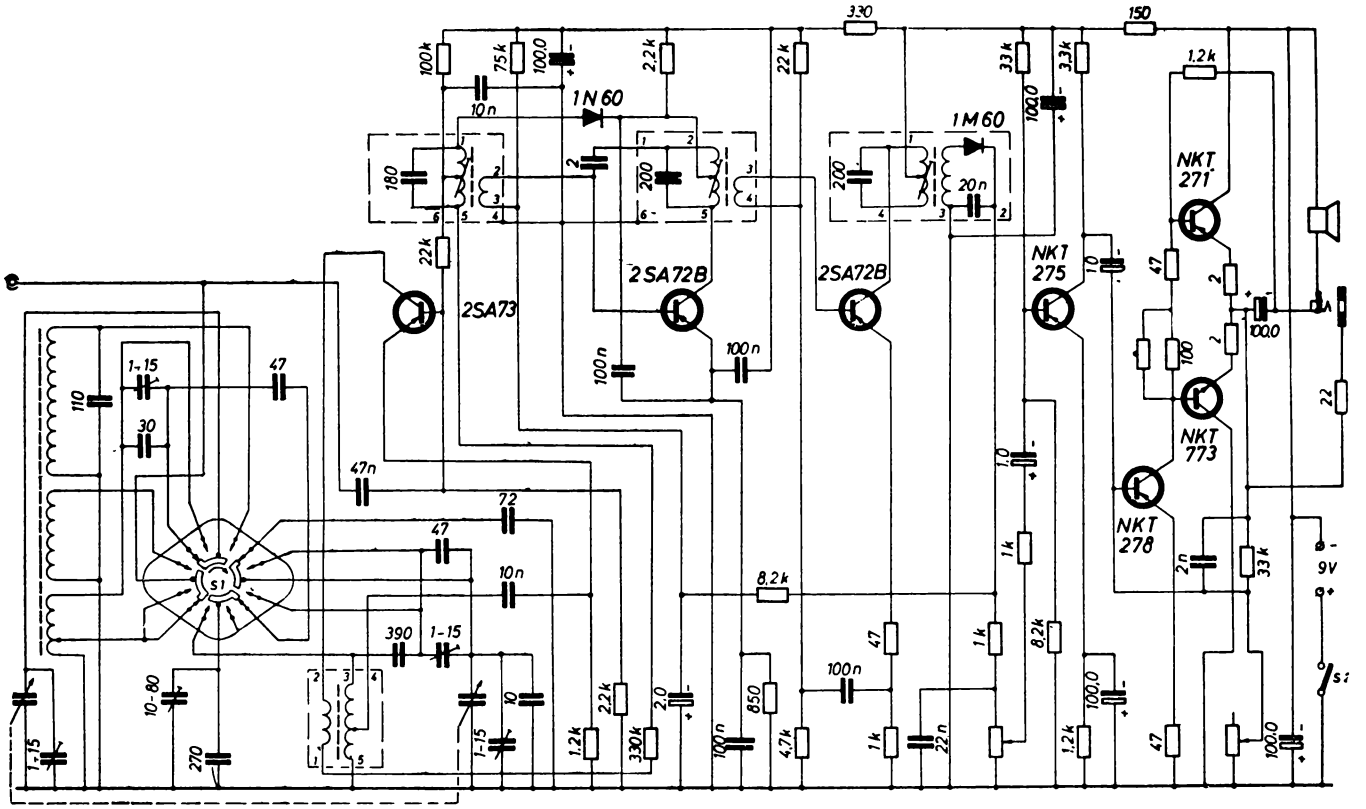


КВ KR021 COBRA



PYE 1363 POPLINER

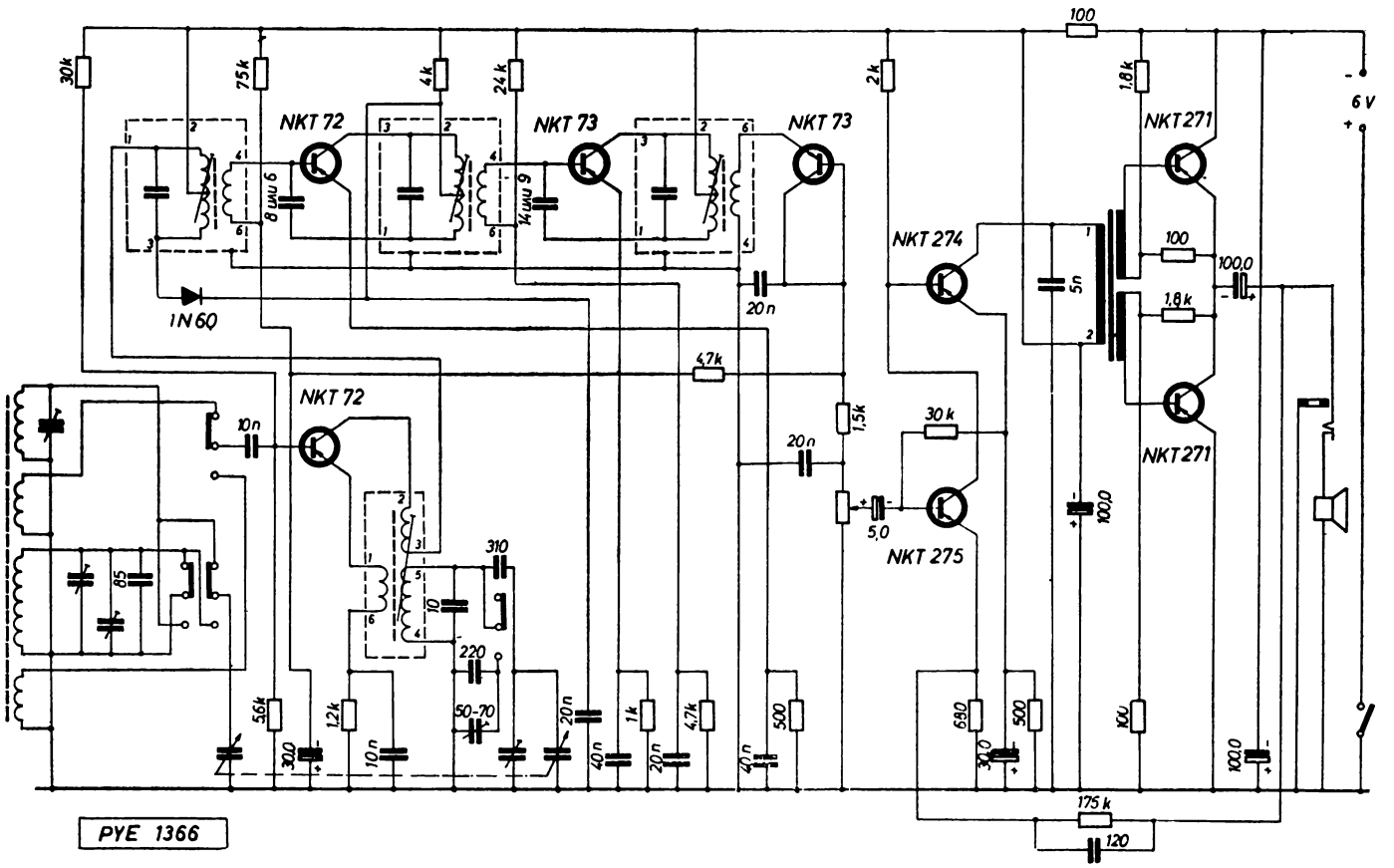
Обхват: СВ, ДВ, Спец. 1390÷1650 кНz)



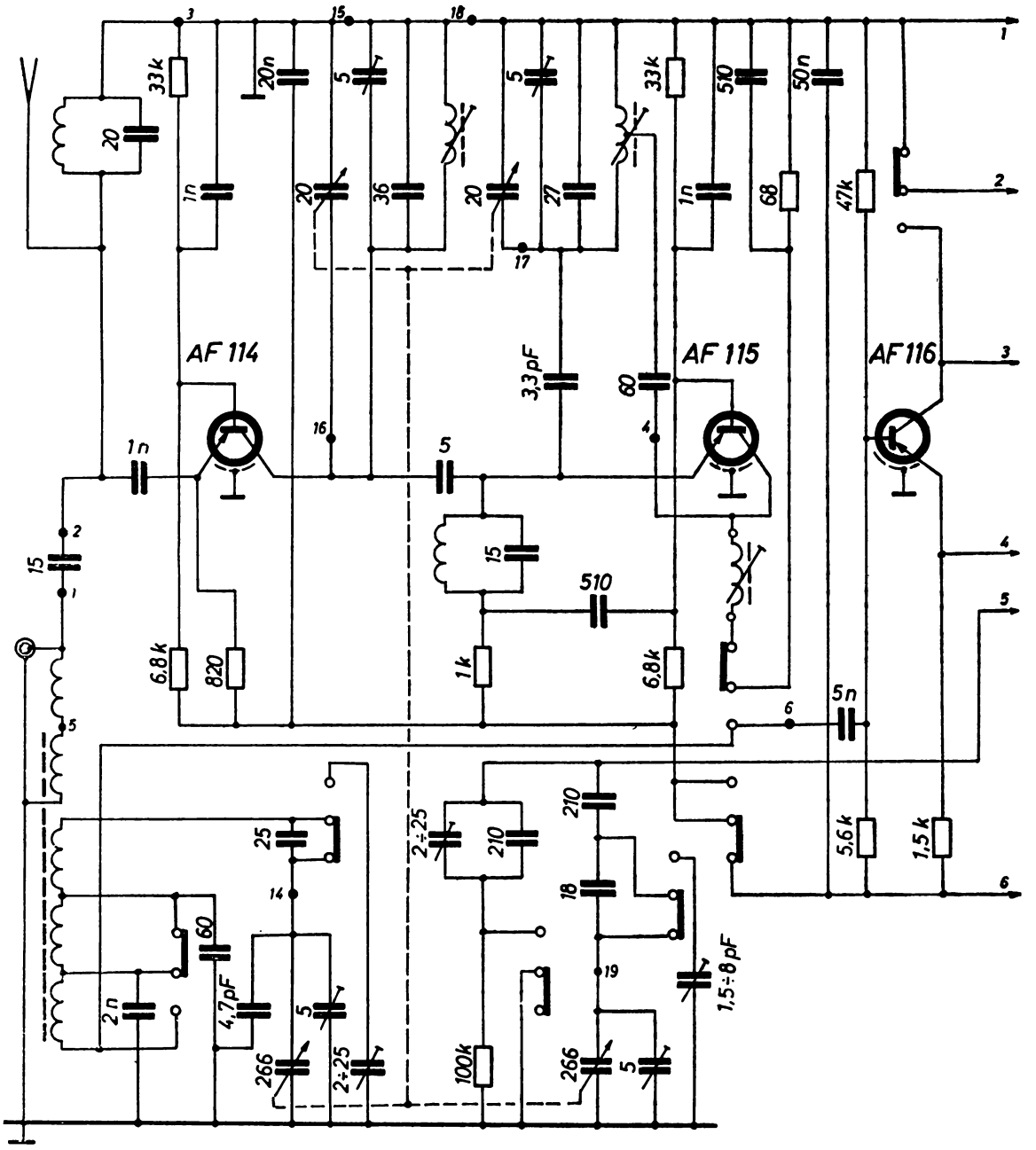
PYE 1363 „POPLINER"

PYE 1366

Обхват: СВ, ДВ
МЧ=470 кНz

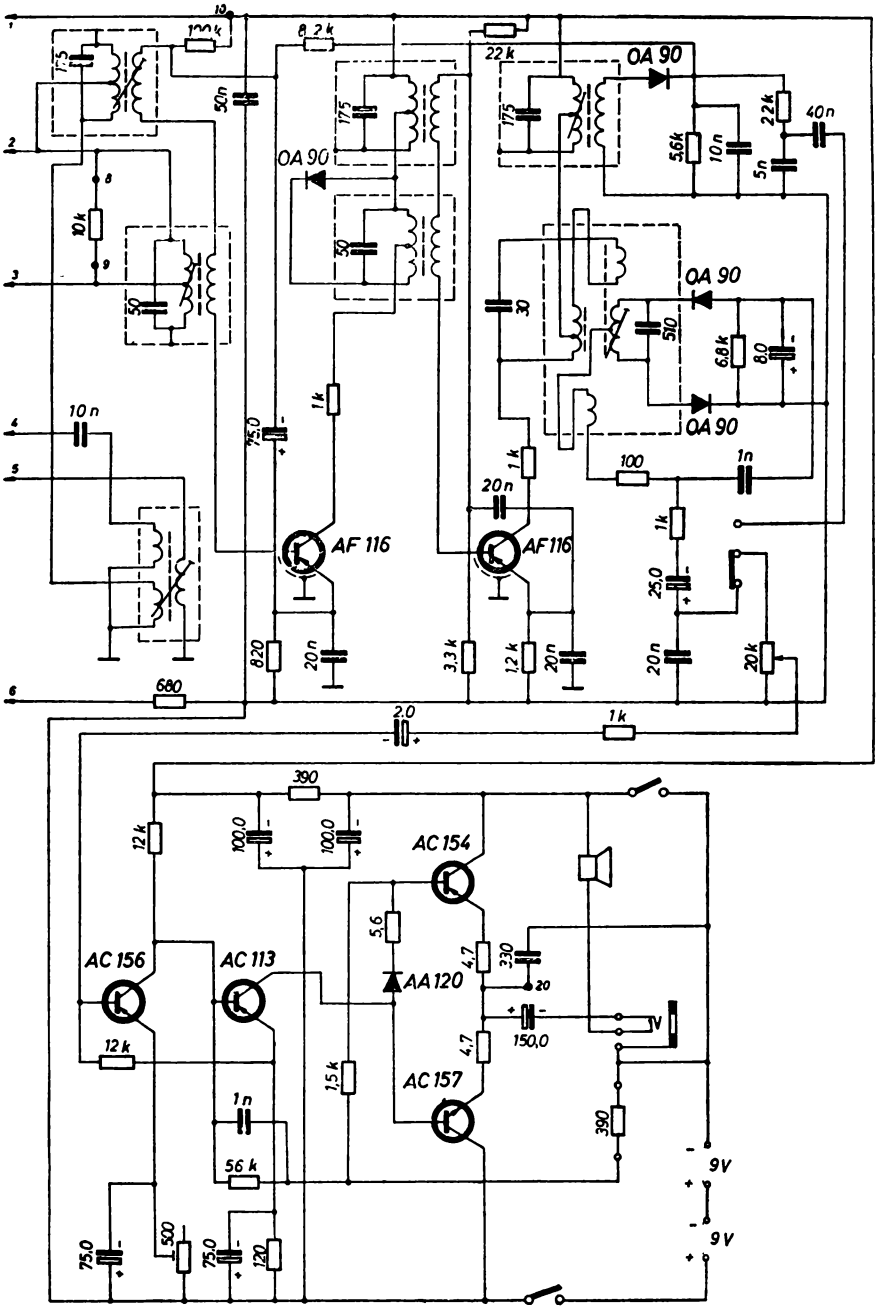


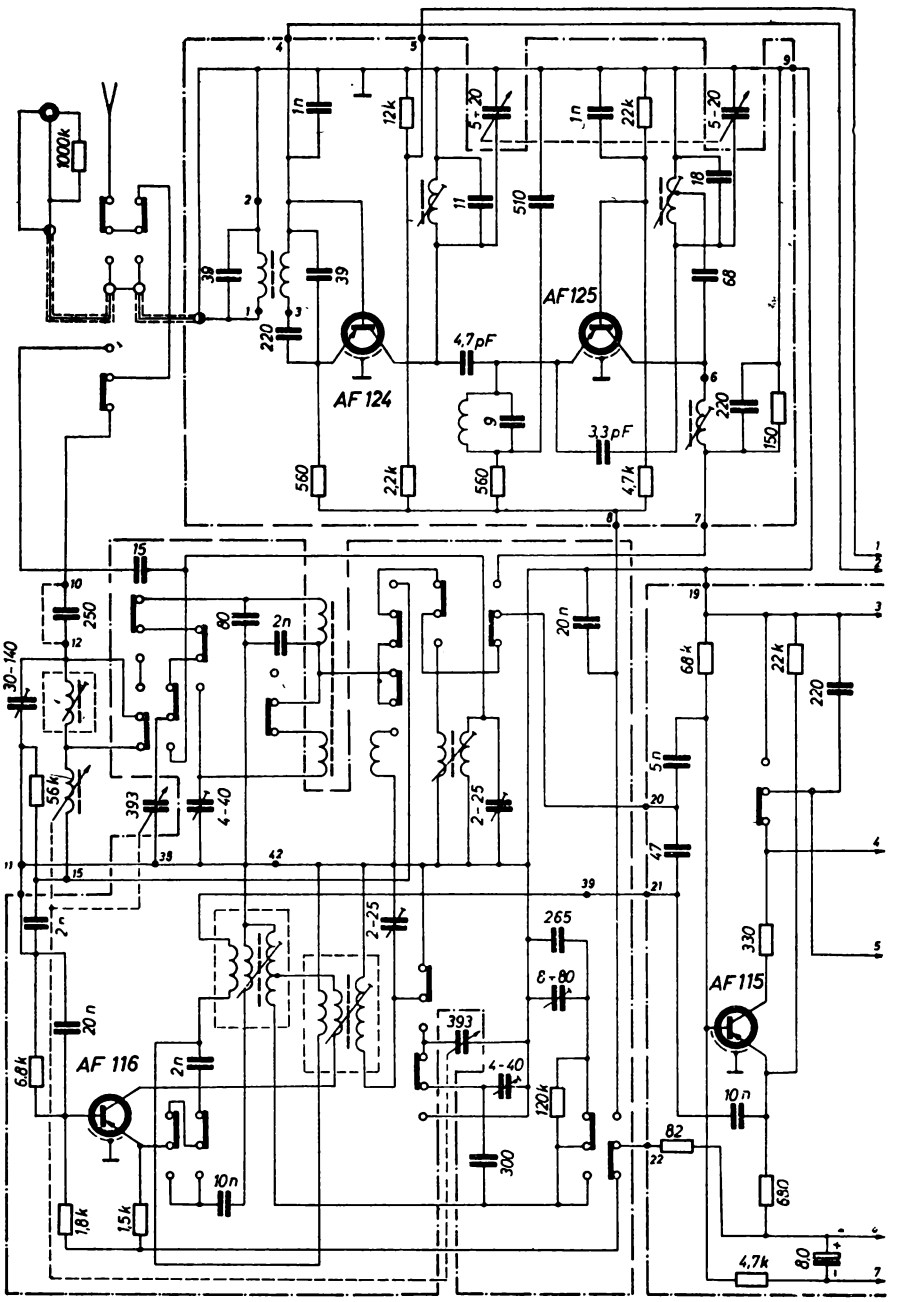
PYE 1366


AF 114
AF 115
AF 116
MARCONIPHONE 4138

MARCONIPHONE 4138

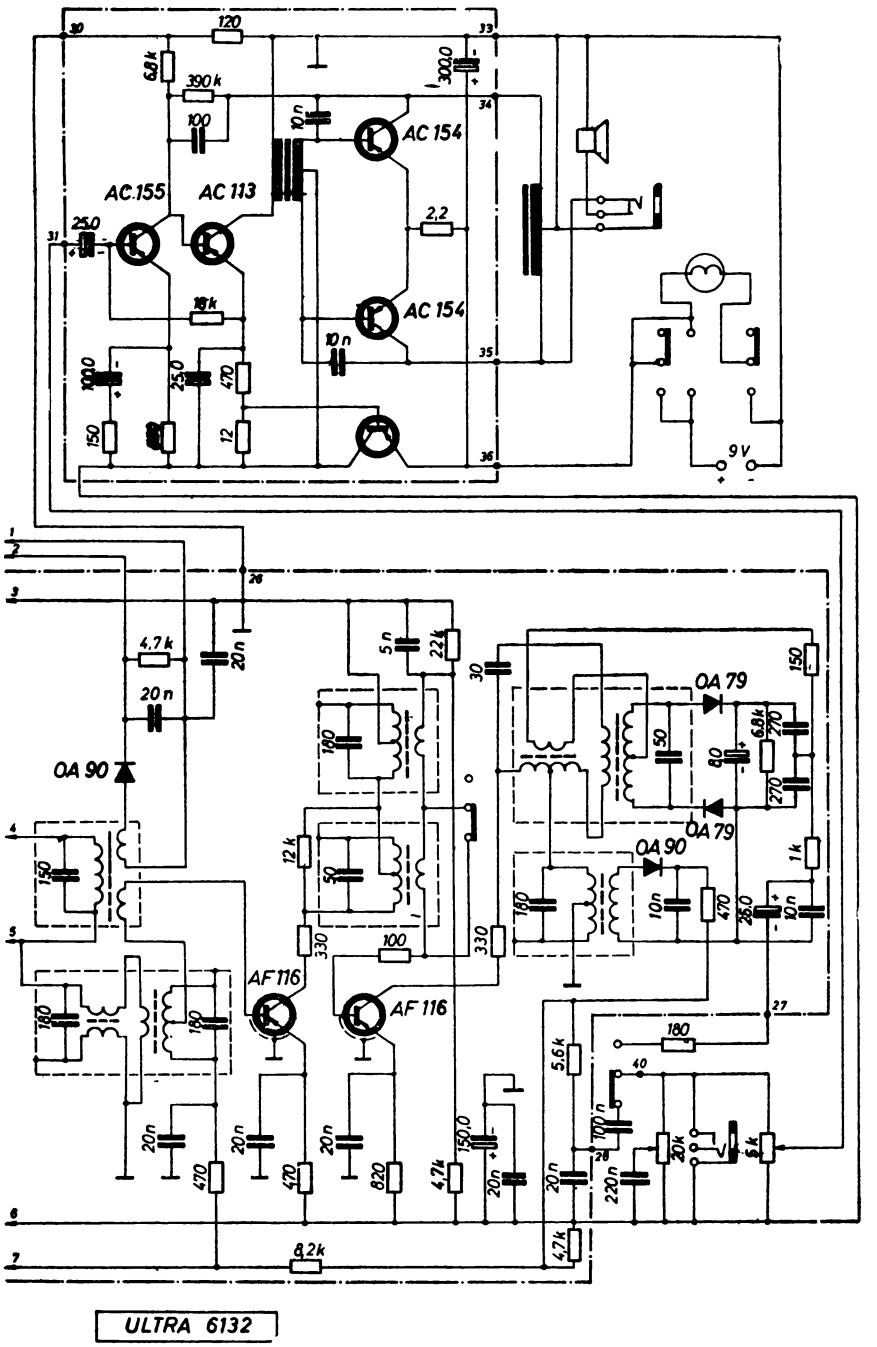
Обхват: УКВ, СВ, ДВ, Спец. 1390÷1640 кHz)
МЧ=475 кHz

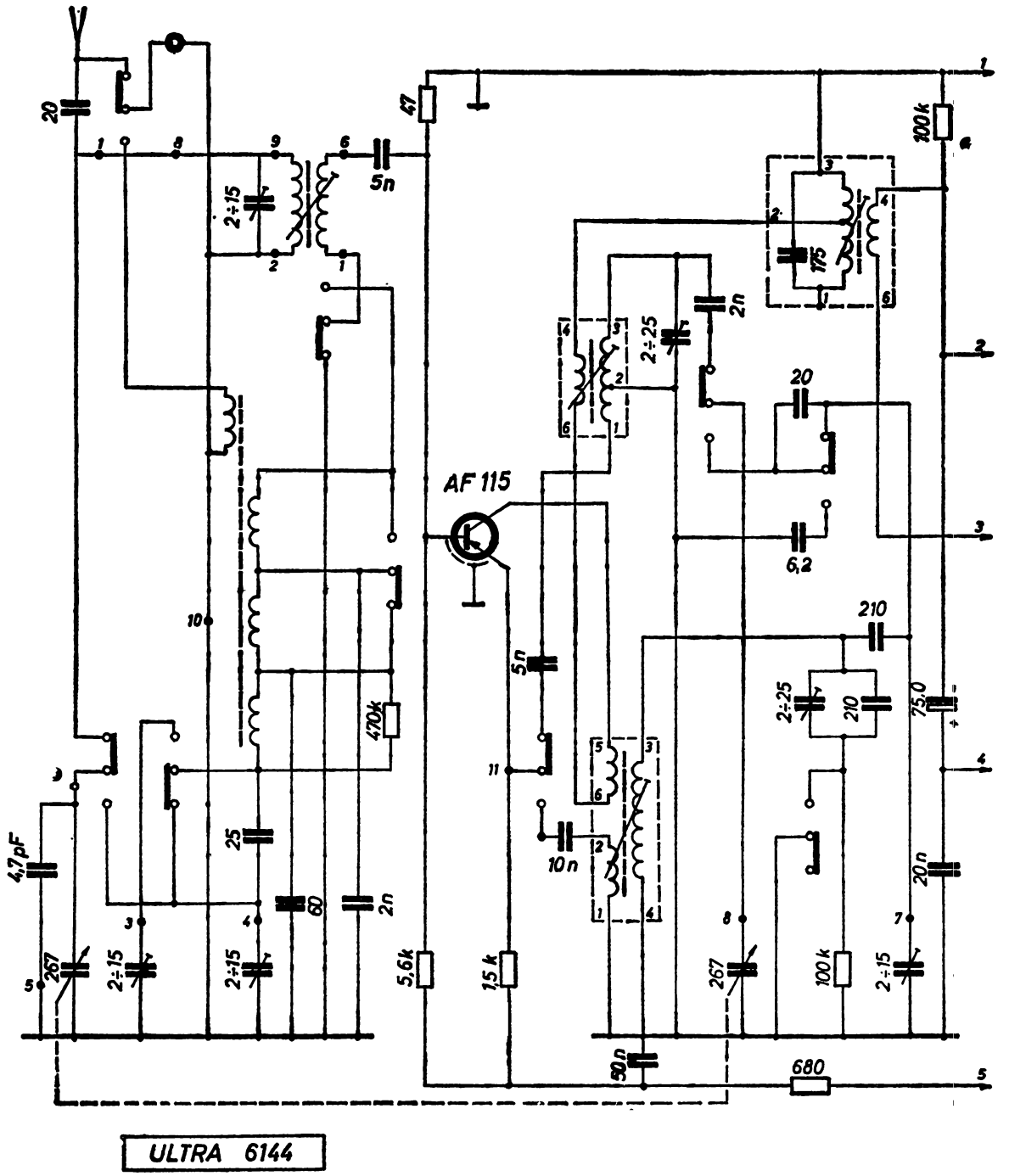



AF 124
AF125
AF 116
AF 115
4,7pF
3,3pF
1000k
1n
12k
5-20
22k
11
510
18
68
39
220
560
2,2k
4,7k
9
150
15
250
80
2n
20n
68k
22k
30-140
56k
393
4-40
2-25
5n
47
265
8-80
330
6,8k
120k
10n
82
300
680
1,8k
1,5k
4,7k
80
ULTRA 6132

ULTRA 6132

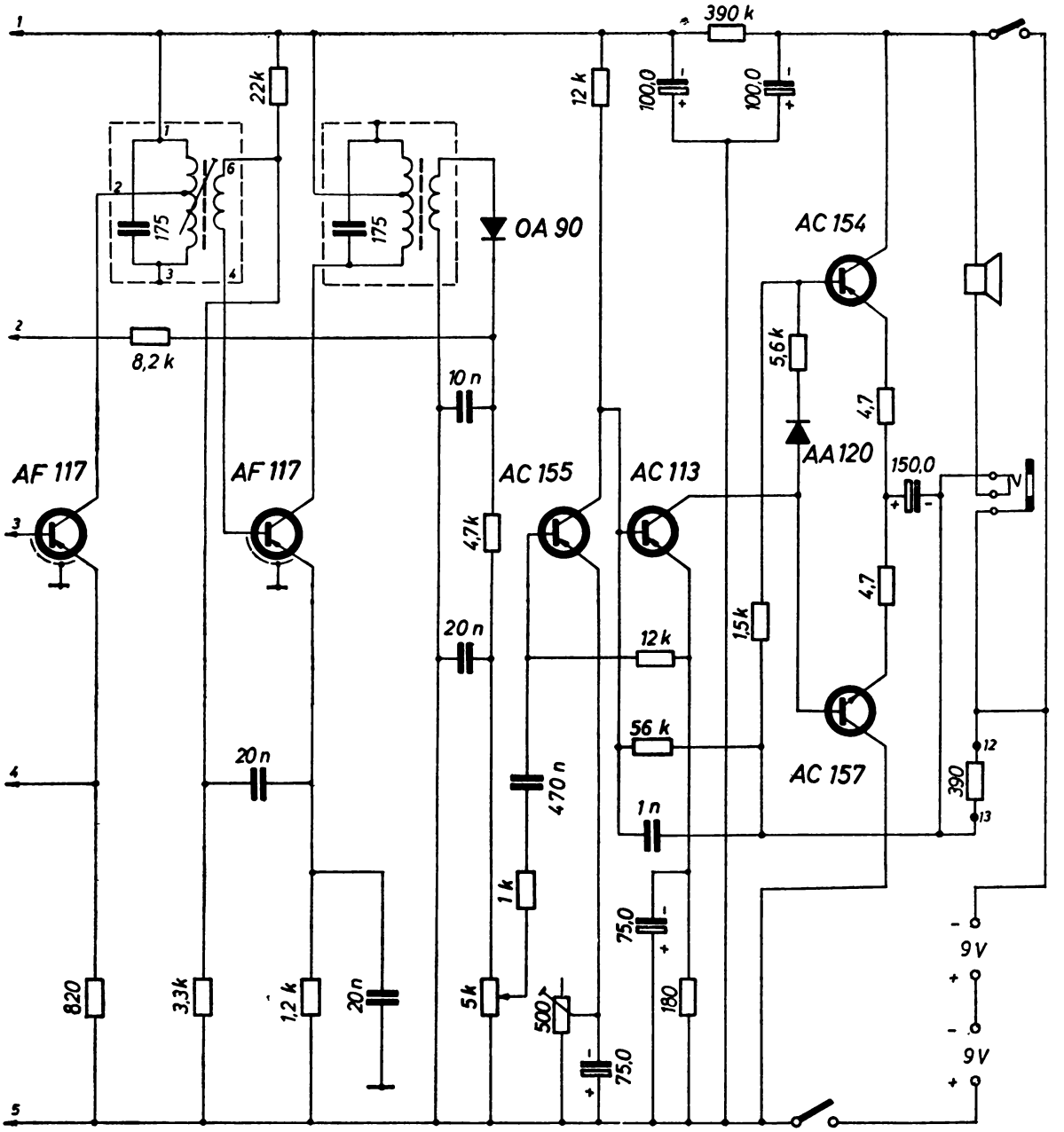
Обхват: УКВ, СВ. ДВ, КВ
МЧ=475 кHz




AF 115
ULTRA 6144

ULTRA 6144 MARCONIPHONE 4140

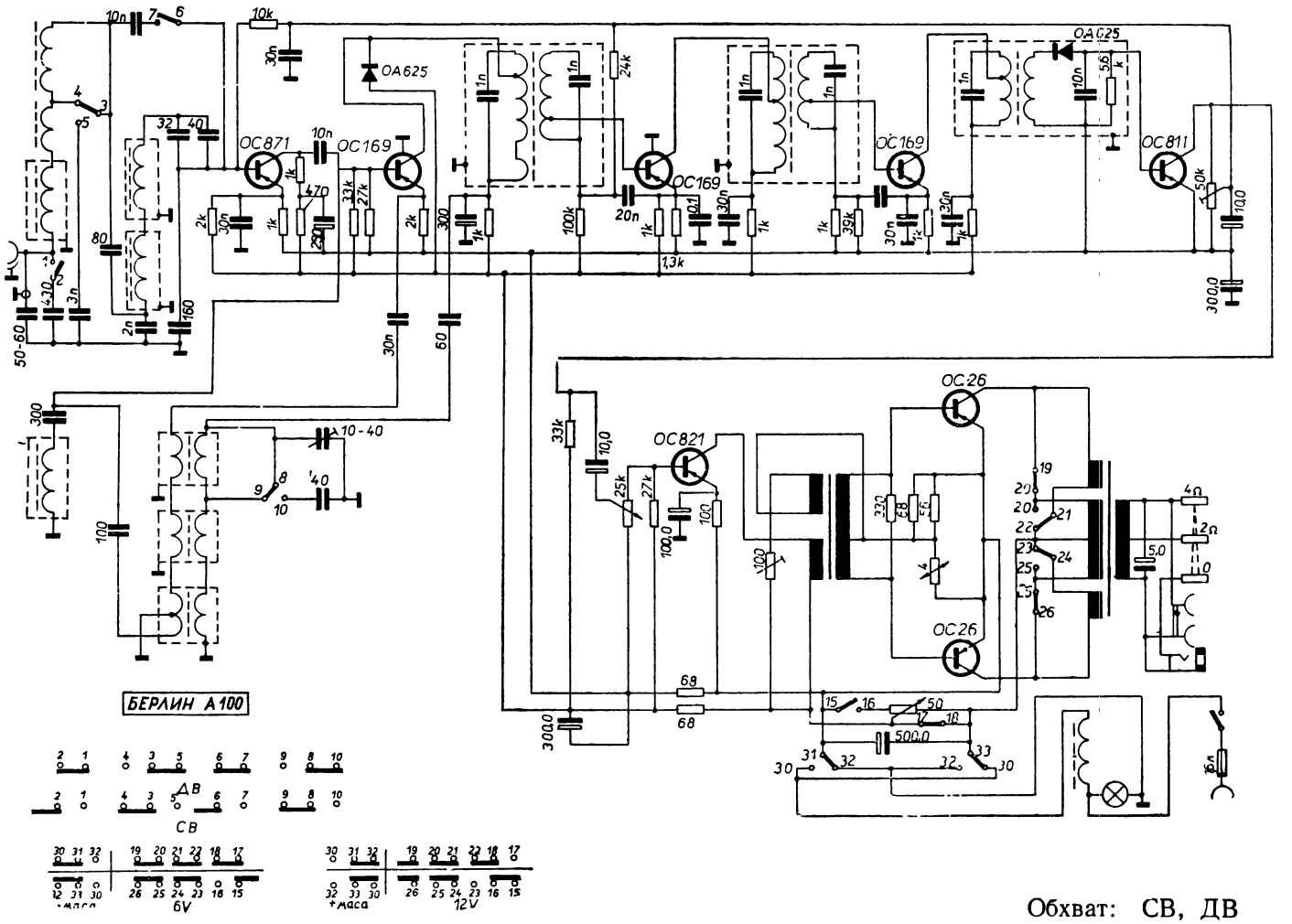
Обхват: КВ, СВ, ДВ, Спец. (1389÷1621 кHz)
МЧ=475 кHz



РАДИОПРИЕМНИЦИ, ПРОИЗВОДСТВО НА ГЕРМАНСКАТА ДЕМОКРАТИЧНА РЕПУБЛИКА

BERLIN A 100

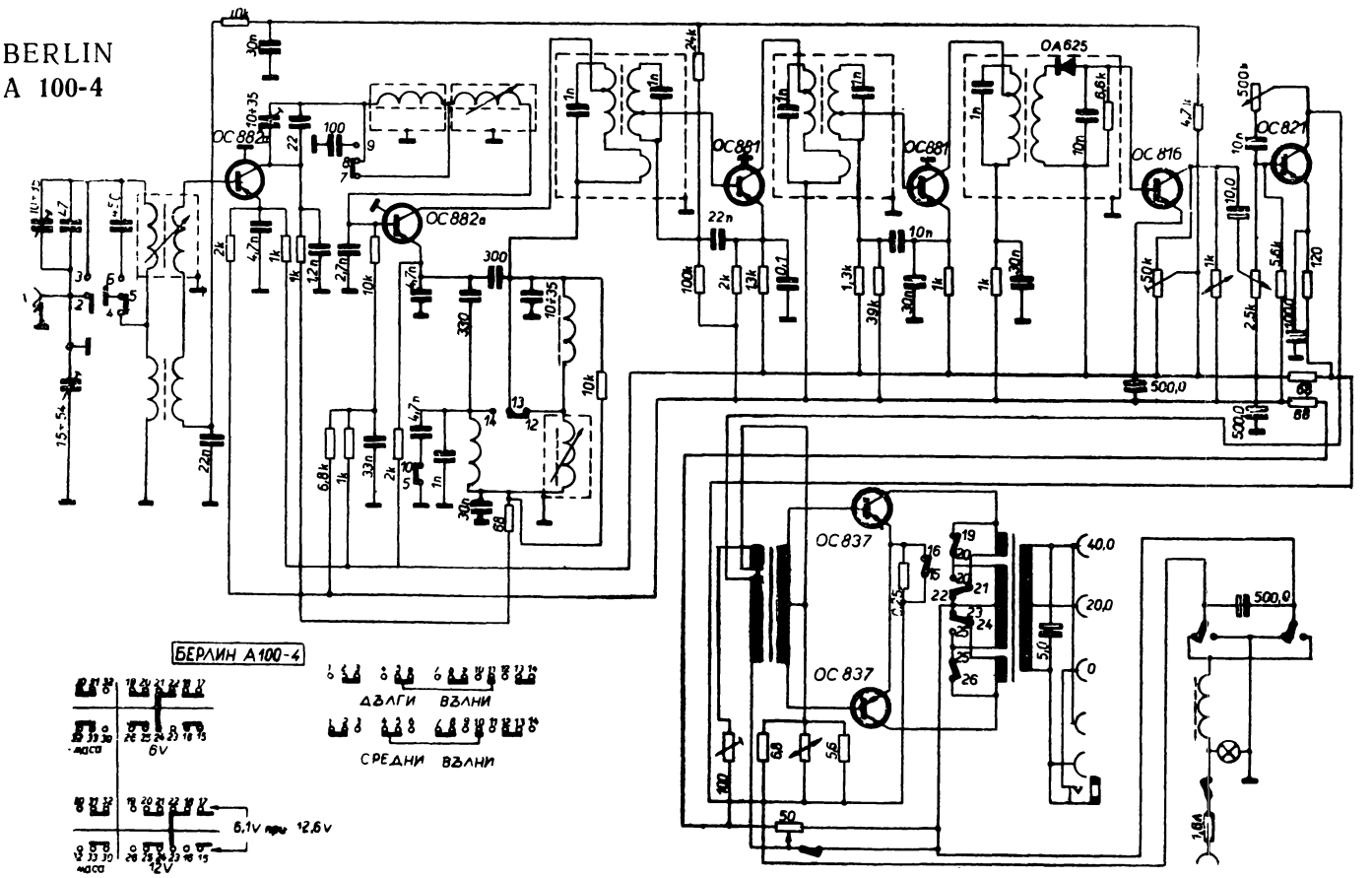
Обхват: СВ, ДВ МЧ=455 кН



БЕРЛИН А 100

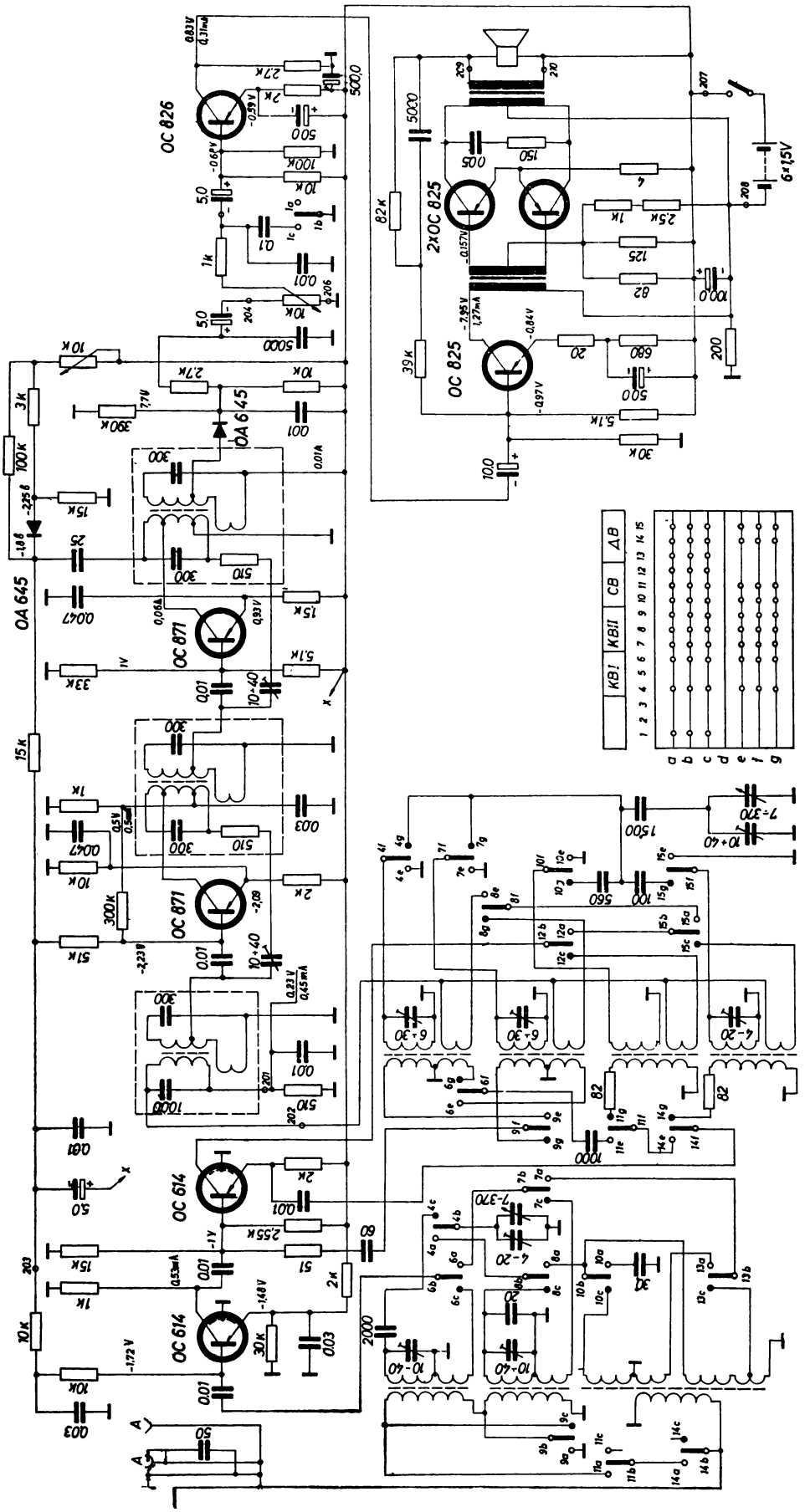
Обхват: СВ, ДВ

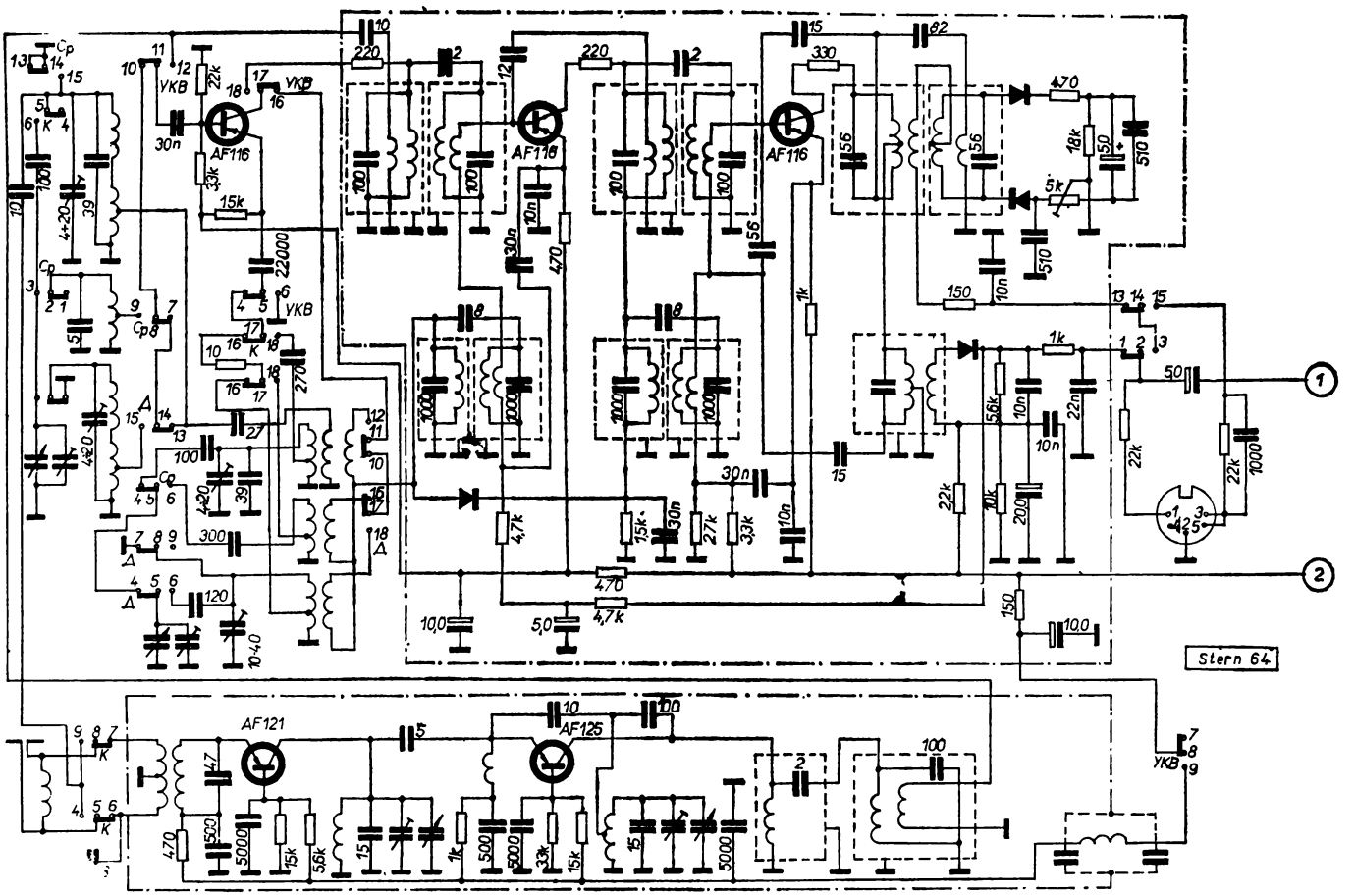
BERLIN A 100-4



БЕРЛИН А 100-4

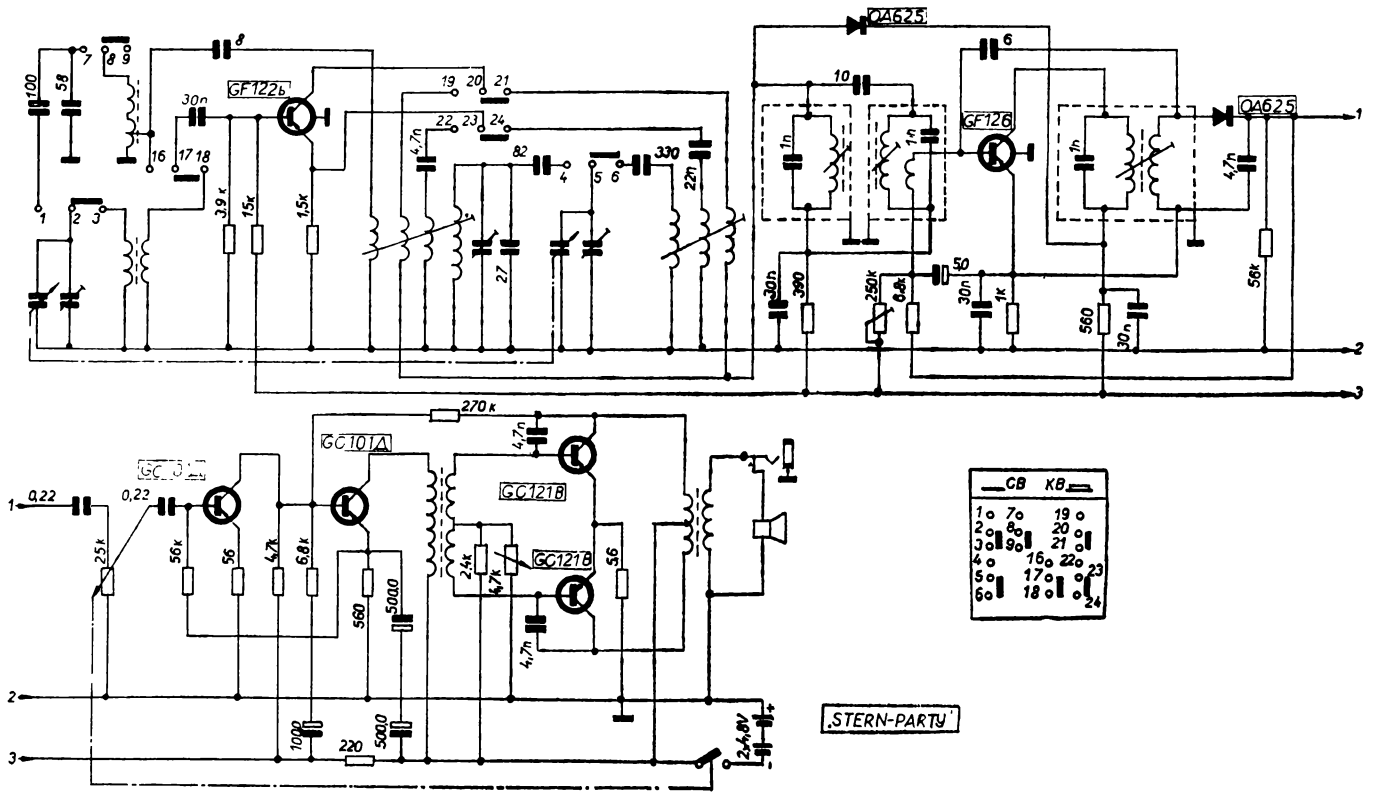
Обхват: КВІ, КВІІ, СВ, ДВ
МЧ=460 кНz





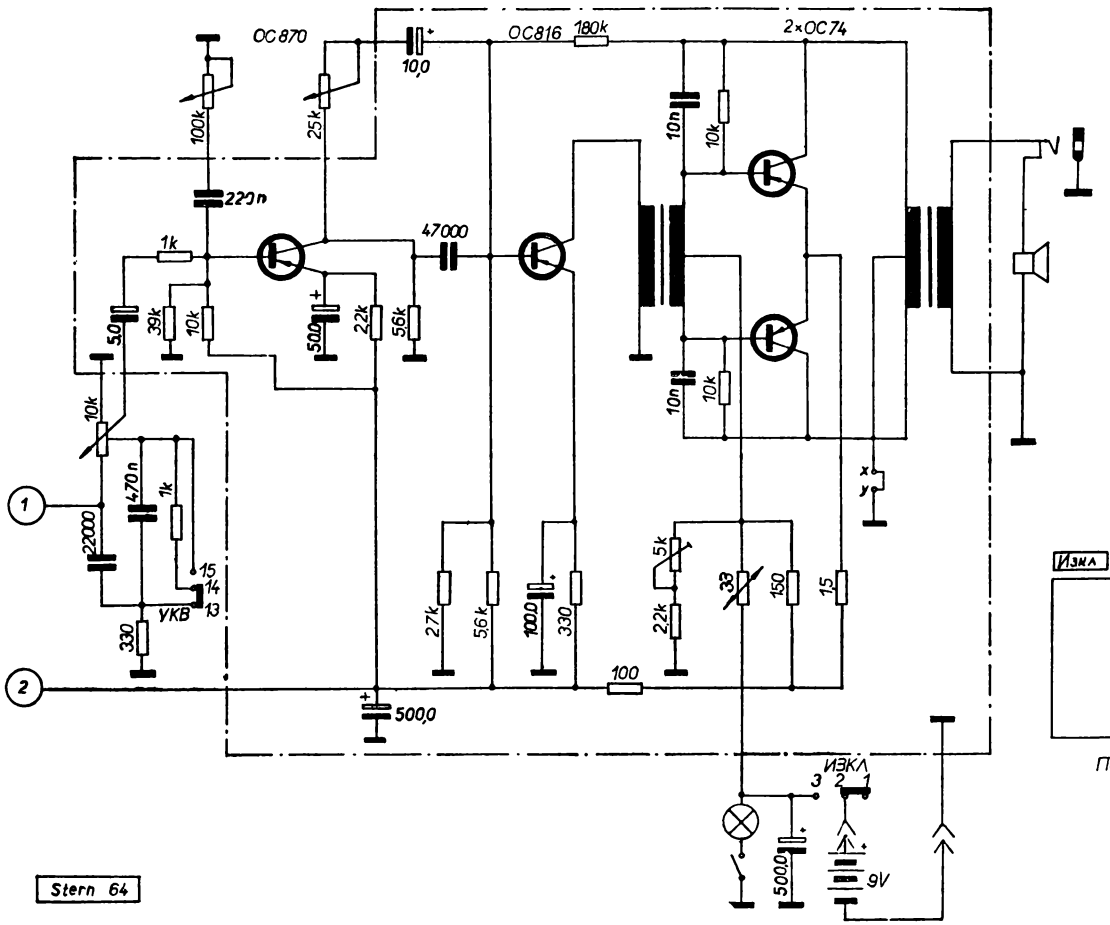
STERN-PARTY

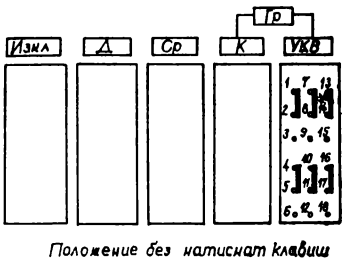
Обхват: КВ, СВ
МЧ=455 кНz



STERN 64 (R110)

Обхват: ДВ, СВ, КВ, УКВ
МЧ=455 кHz

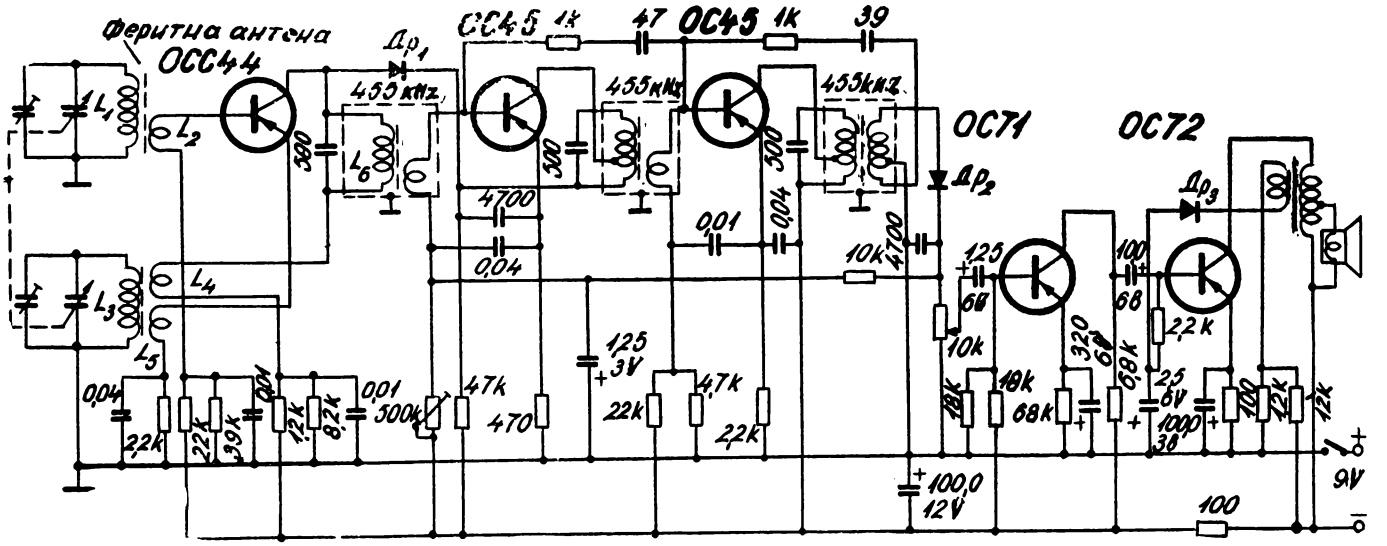




Положение без натиснат клавиш

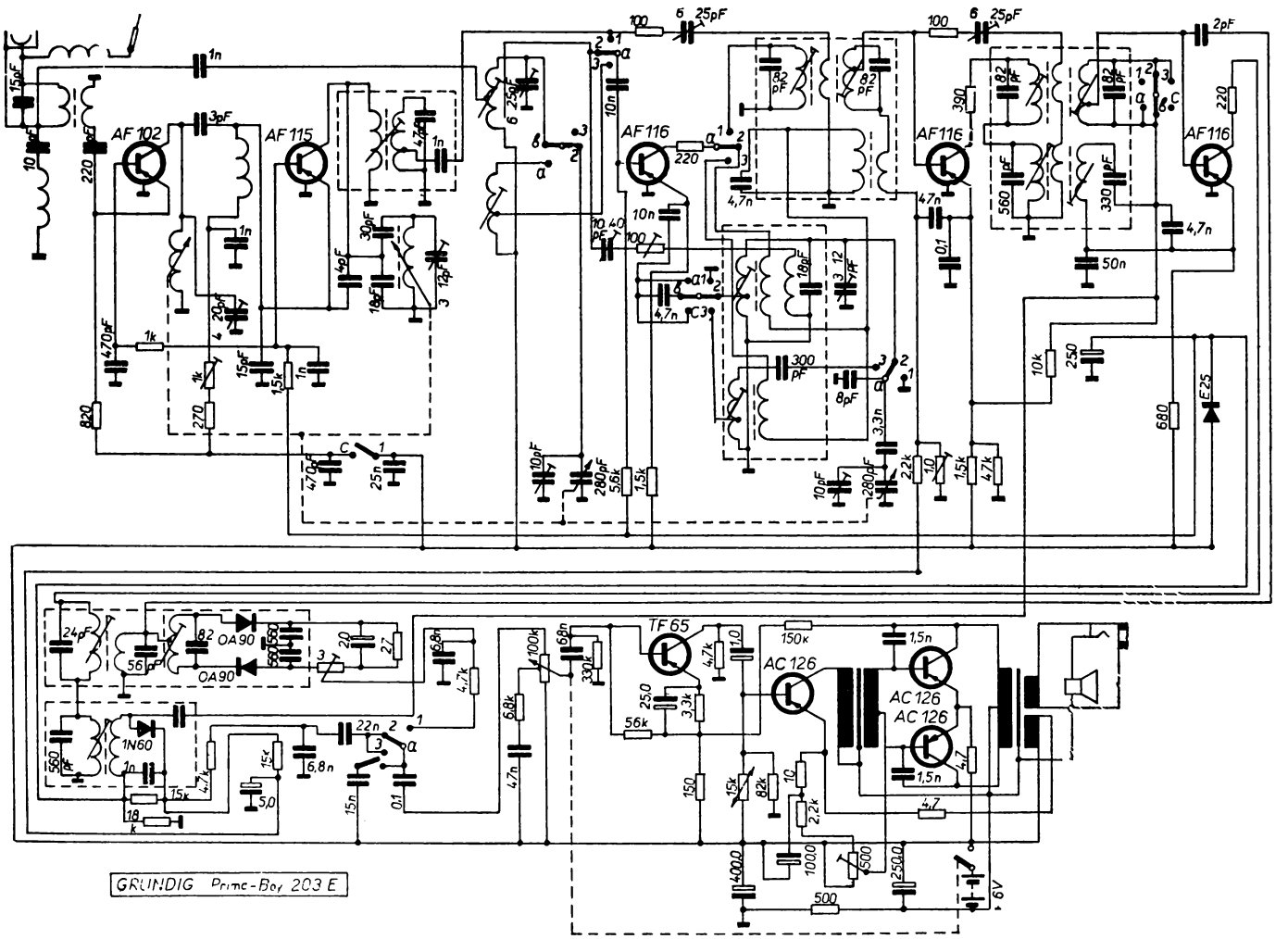
ACCORD PEGGIE

Обхват: СВ
МЧ=455 кHz

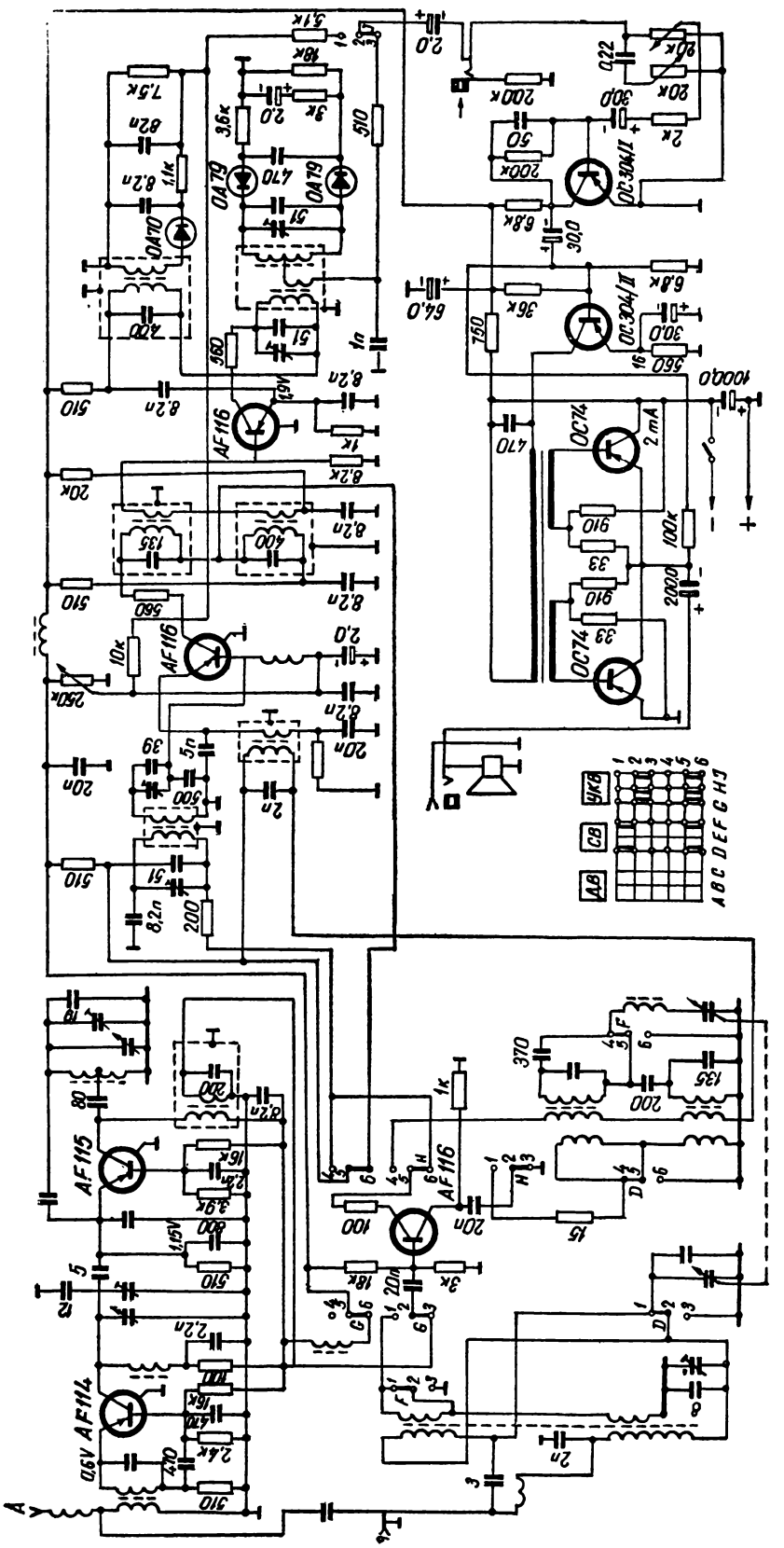


GRUNDIG PRIMA-BOY 202E

Обхват: УКВ, КВ, СВ
МЧ=460 кHz

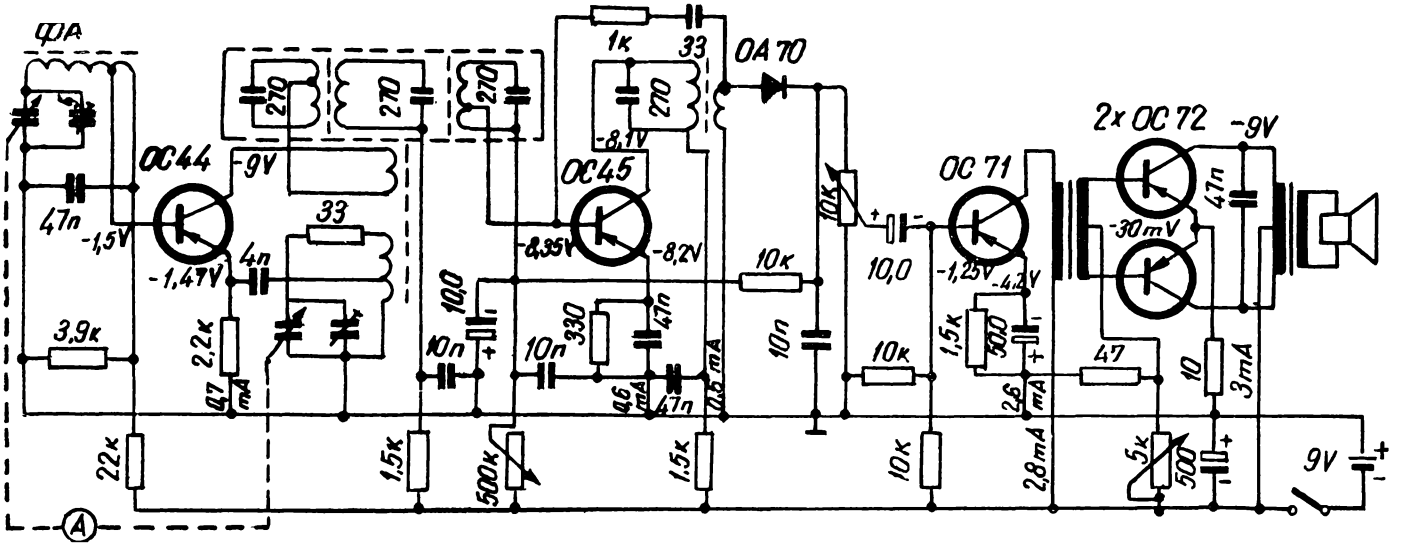


Обхват: УКВ, СВ, ДВ
МЧ=455 кHz



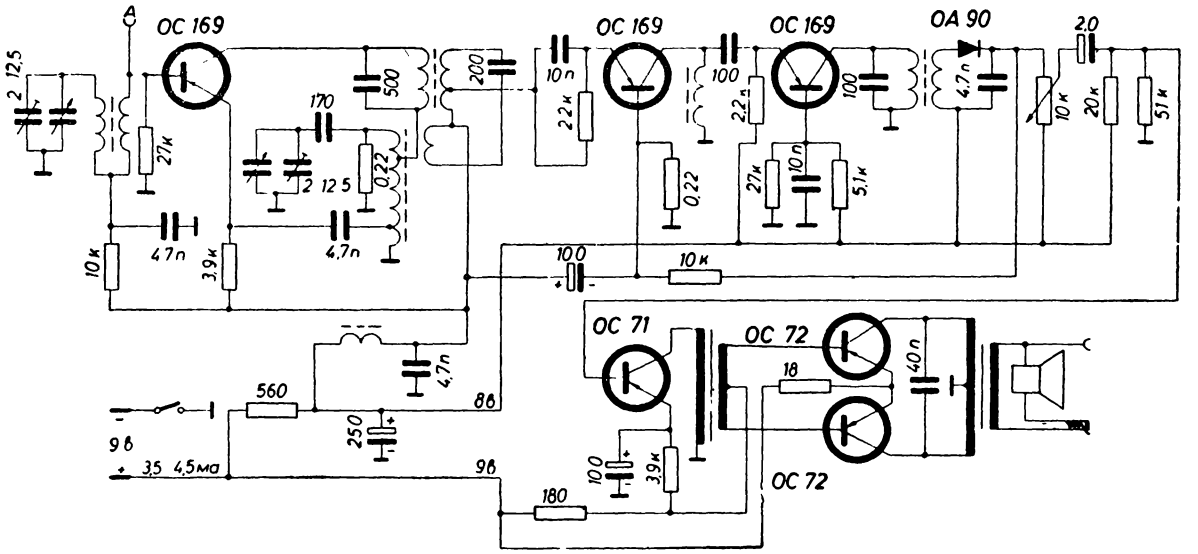
GRUNDIG TRANSISTOR BOX

Обхват: МЧ=460 кHz



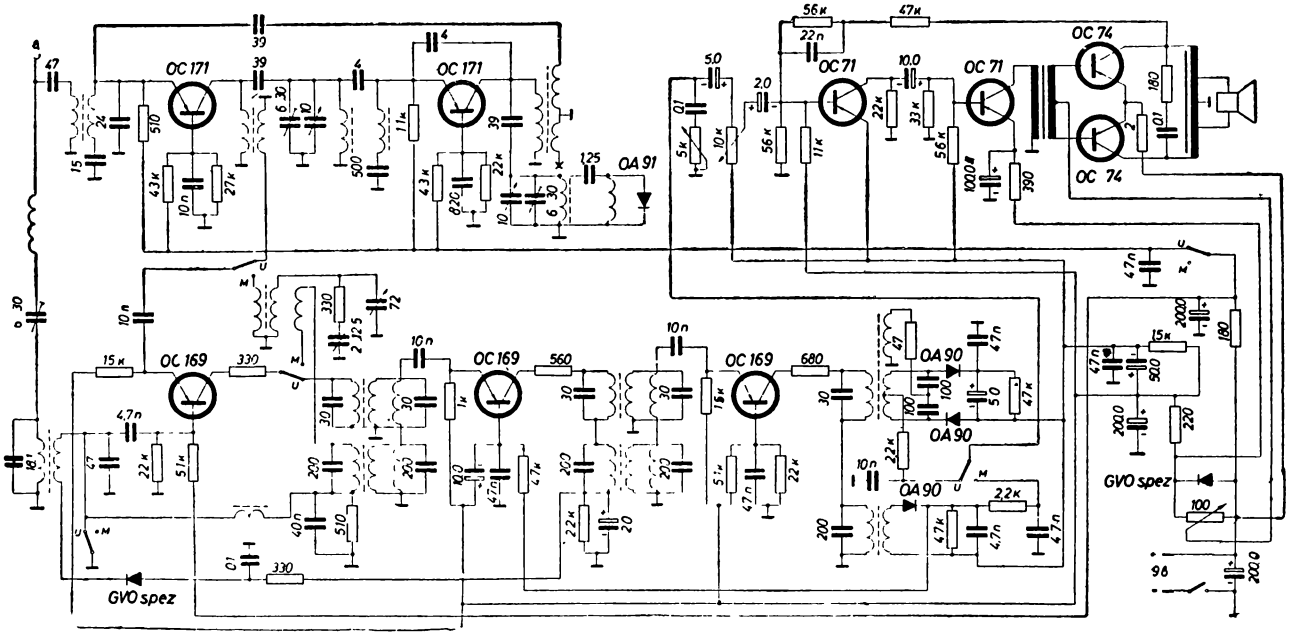
LOEWE OPTA DANDY

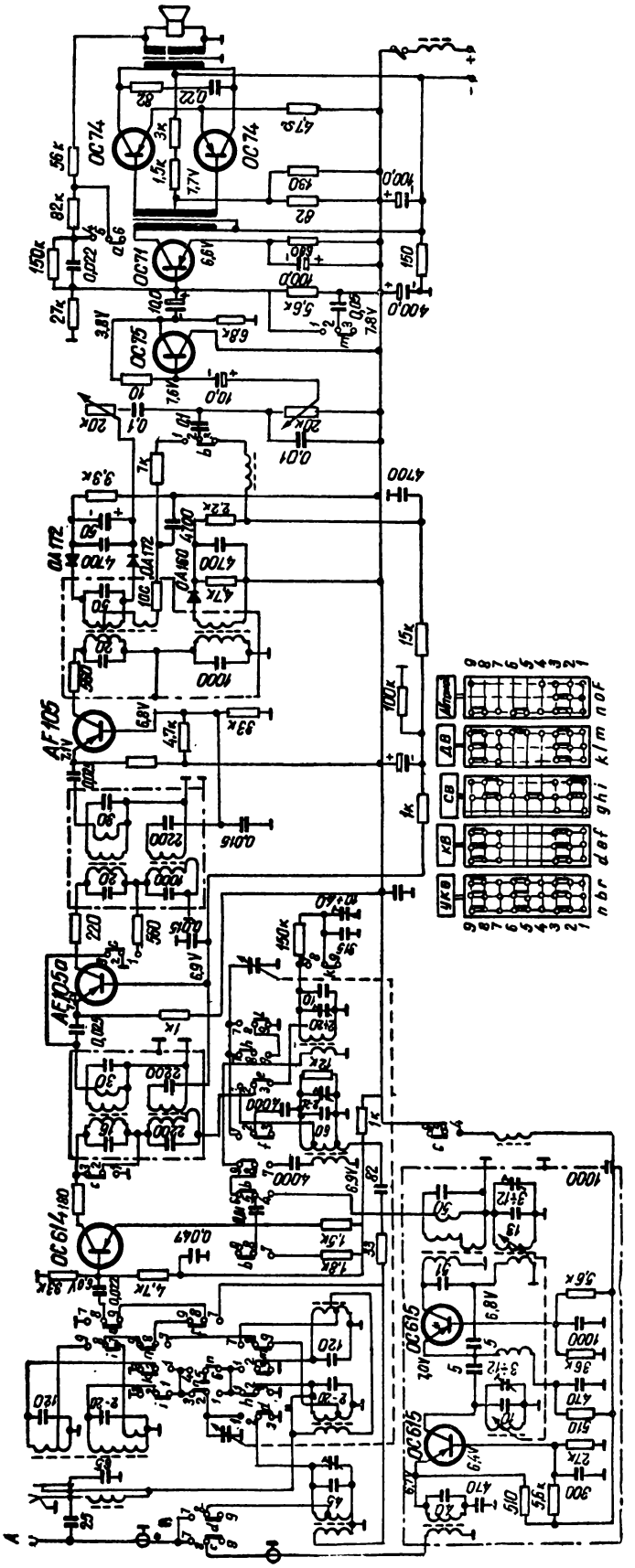
МЧ=460 кHz



LOEWE OPTA LISSY

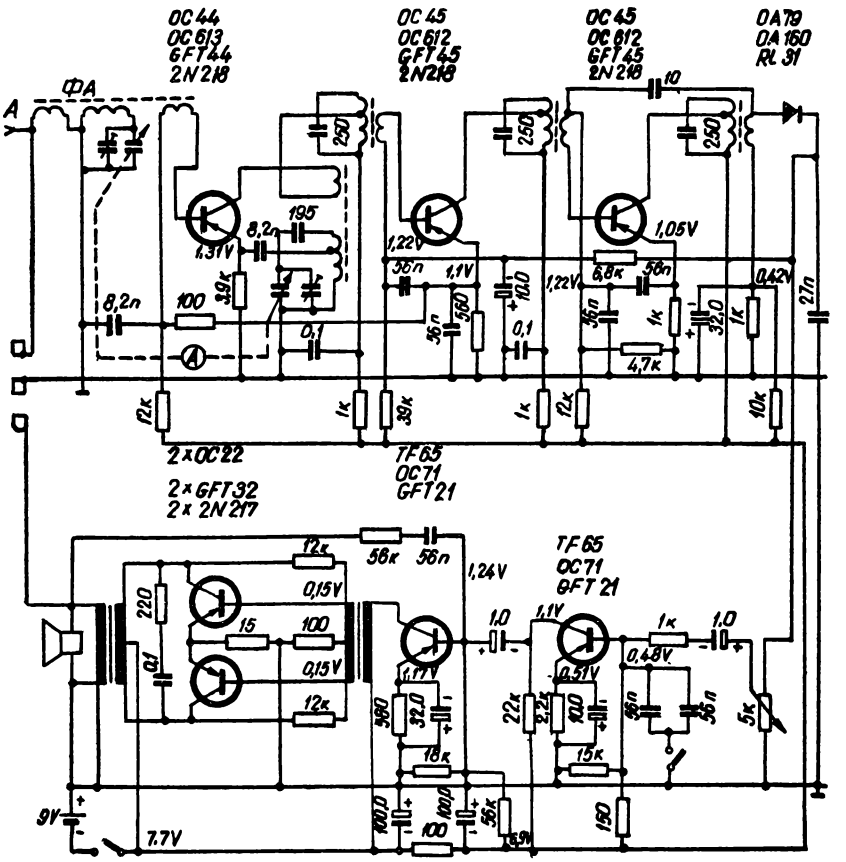
МЧ=460 кHz





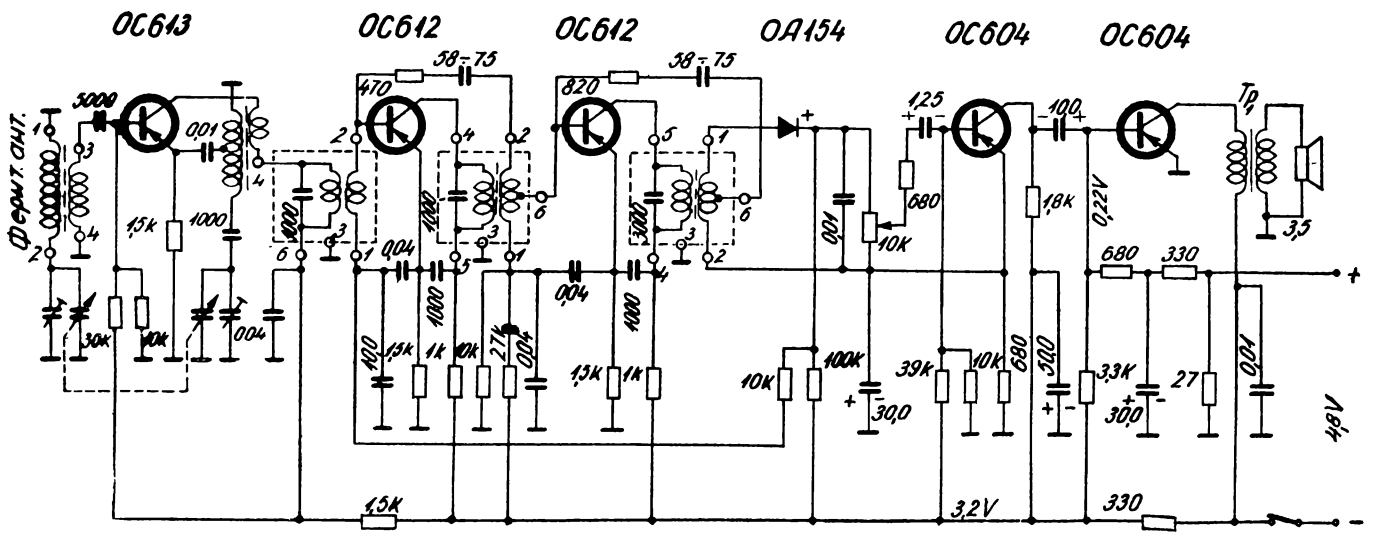
SIEMEHS WSW TRANSETTA

МЧ=460 кHz



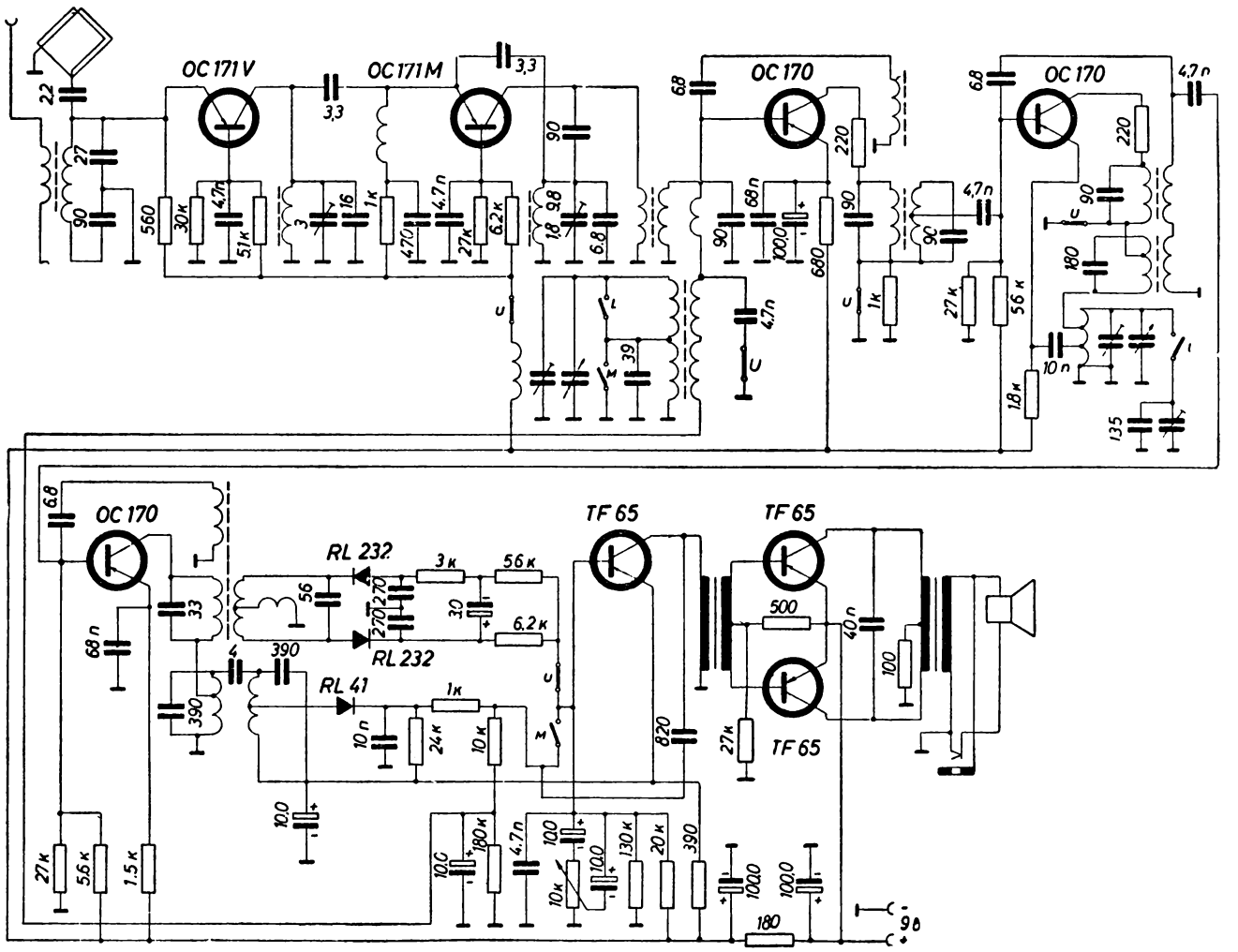
TELEFUNKEN PARTNER

МЧ=460 кHz



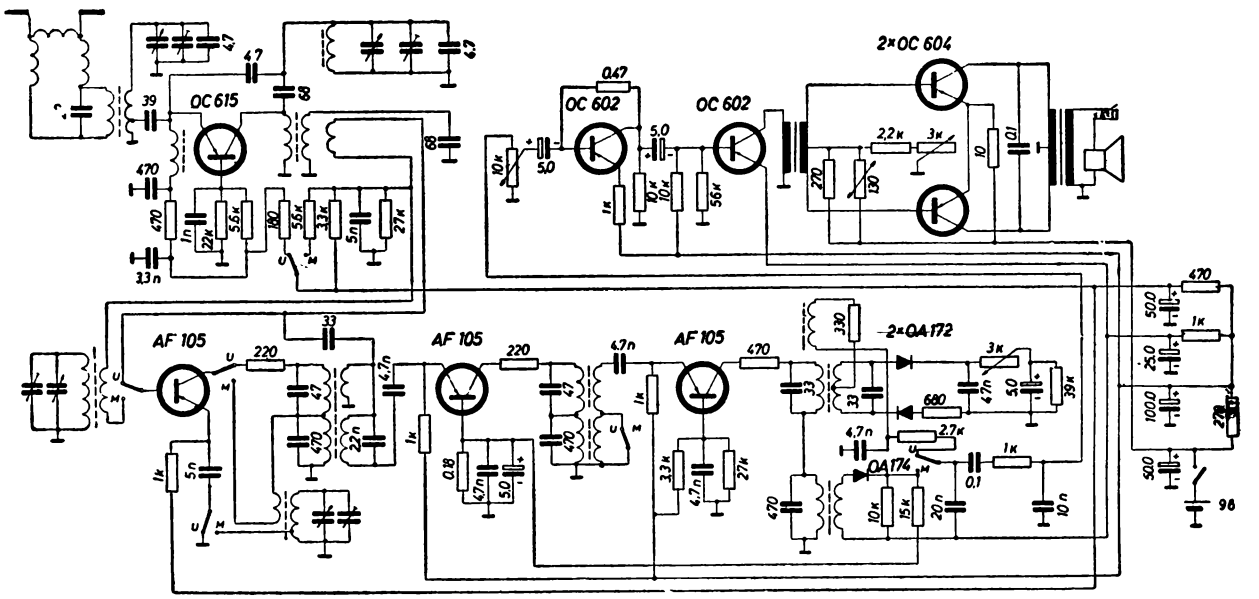
SIEMENS TR 10

МЧ=460 кНz



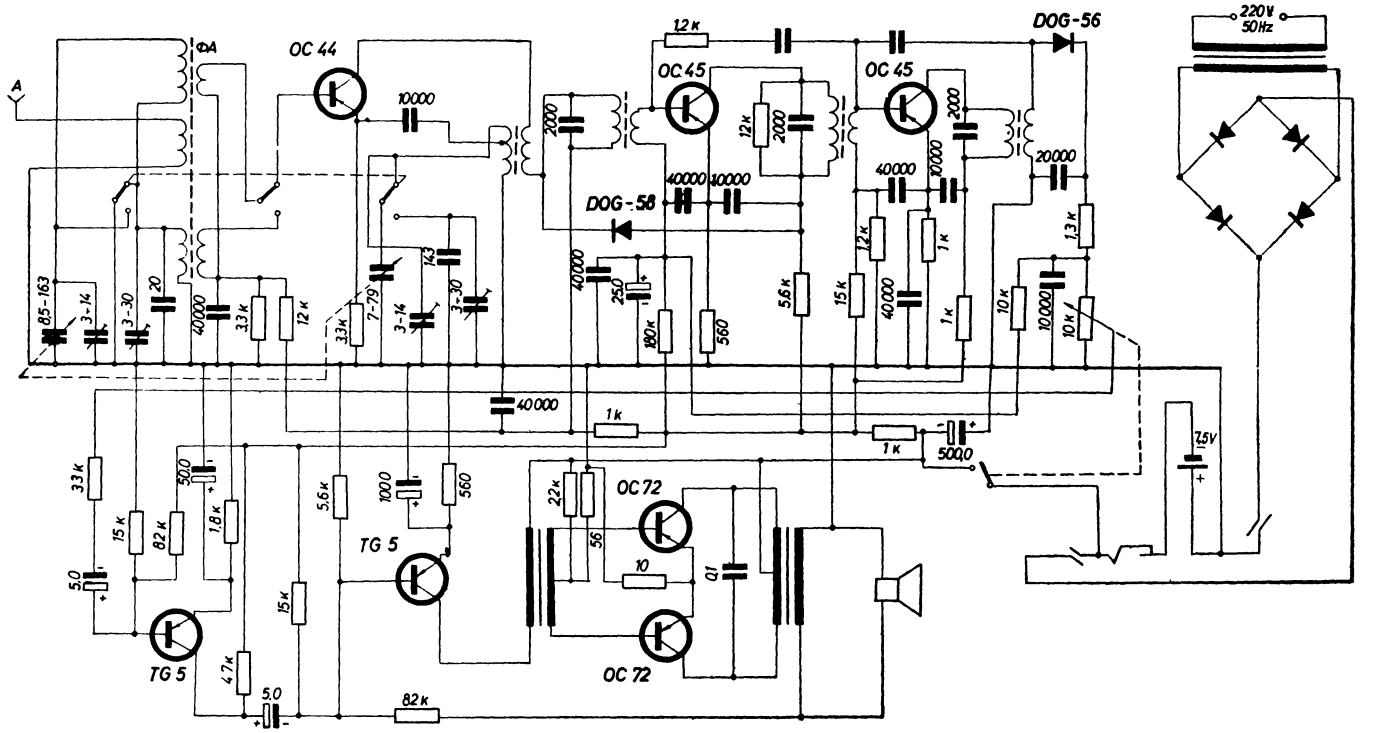
TELEFUNKEN UKW PARTNER

Обхват: УКВ, СВ
МЧ=460 кНz



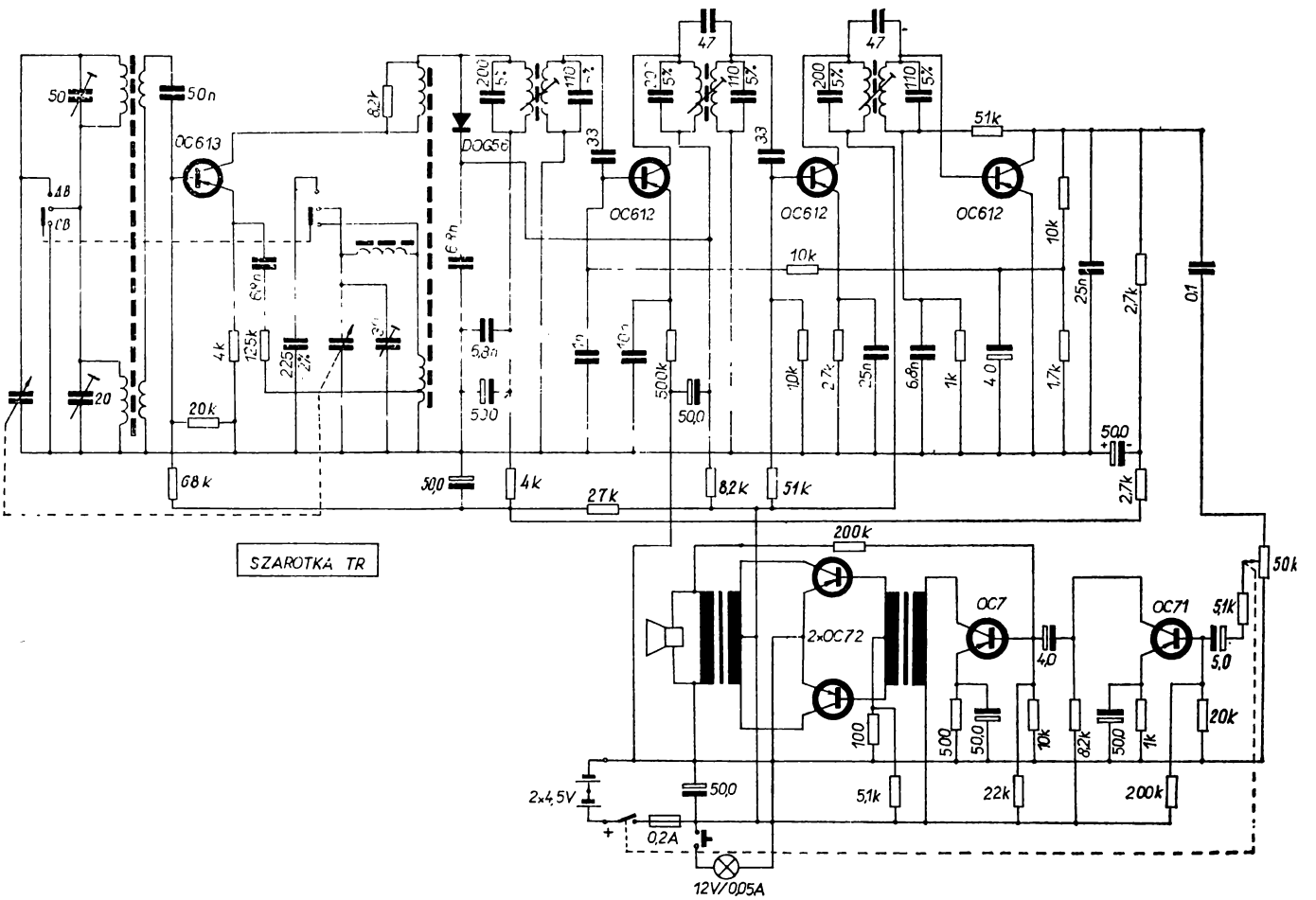
CZAR

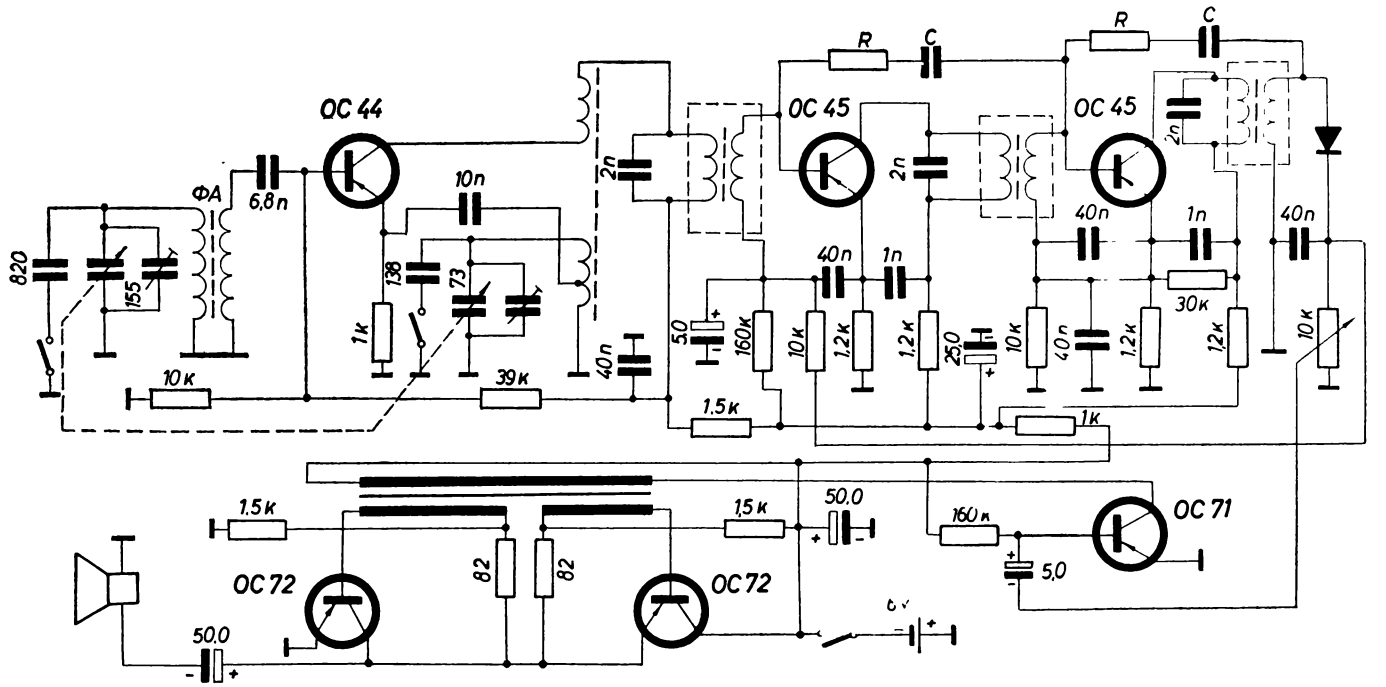
МЧ=465 кHz



SZAROTKA TR

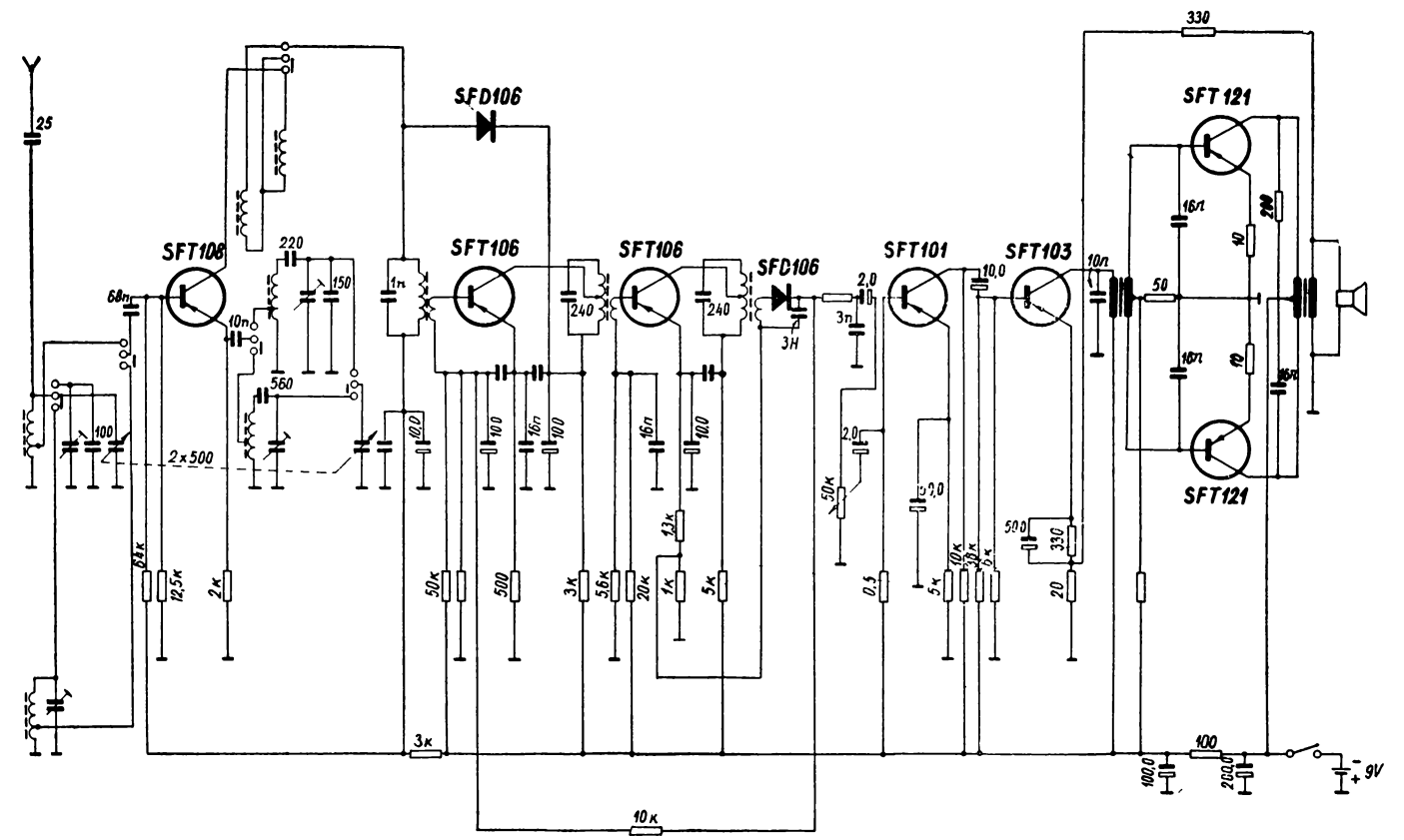
Обхват: СВ, ДВ





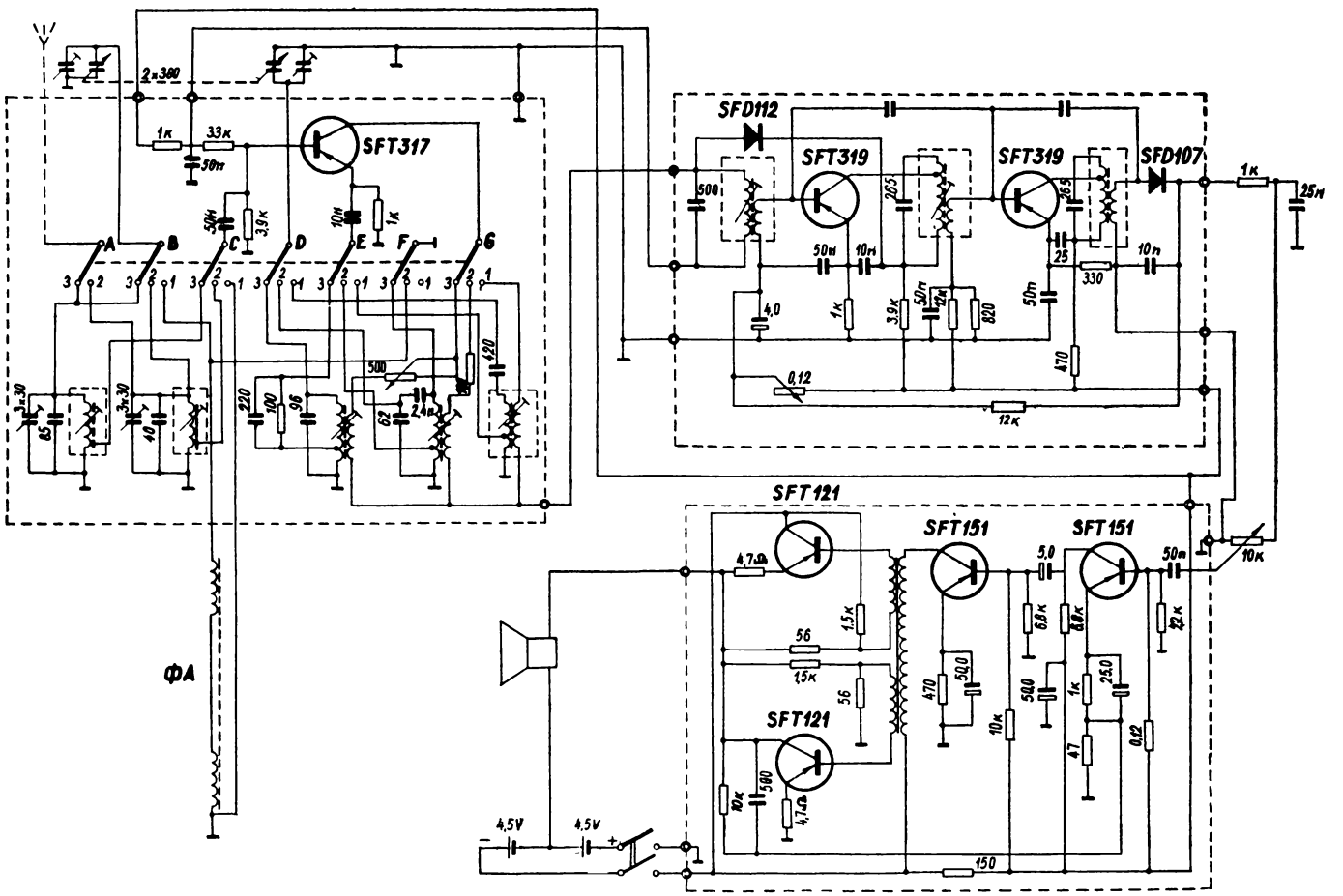
РУМЪНСКИ РАДИОПРИЕМНИЦИ

S5945 LITORAL МЧ=455 кHz



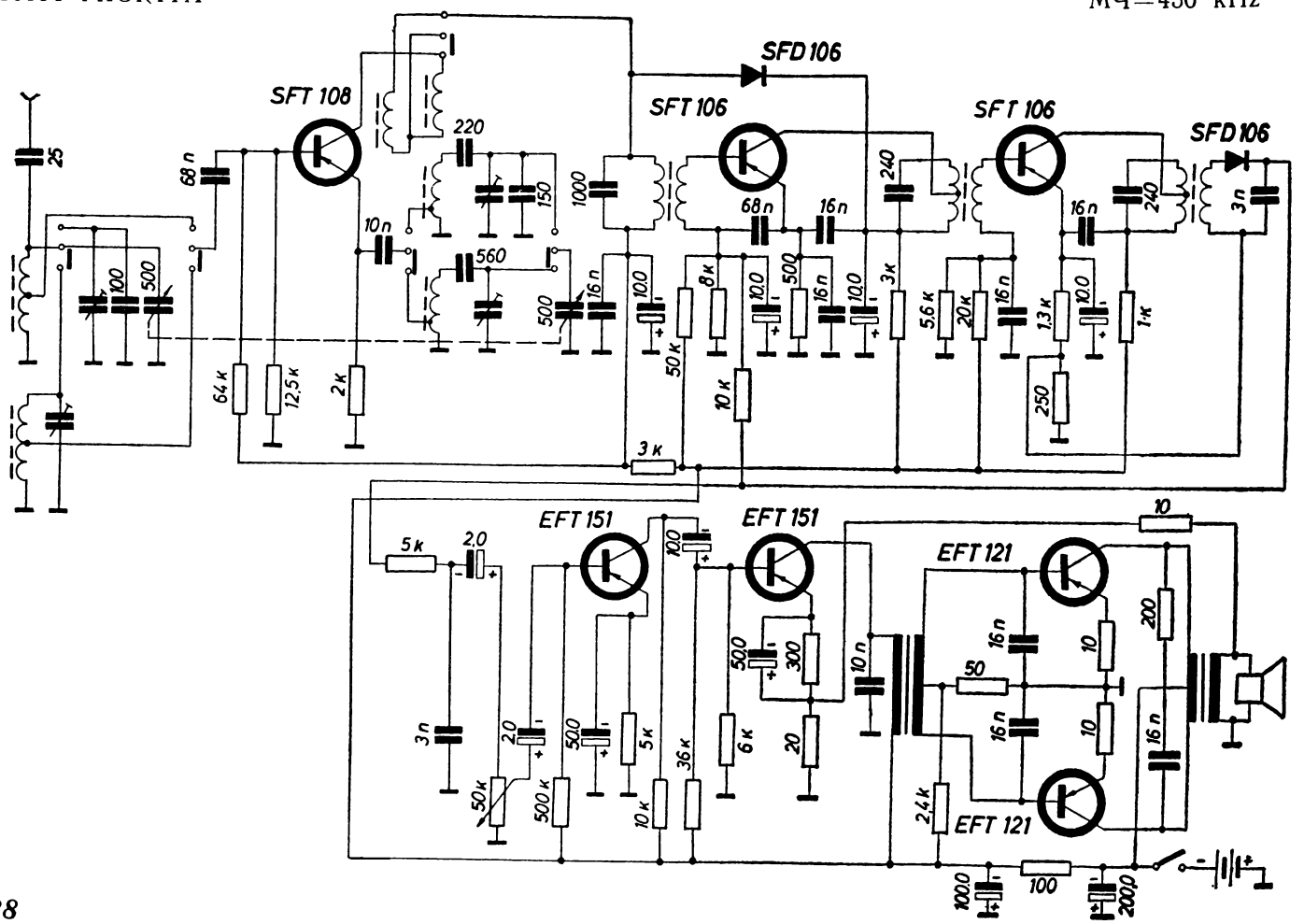
S617T PRIMAVARA

МЧ=455 кНz



S618T MIORITA

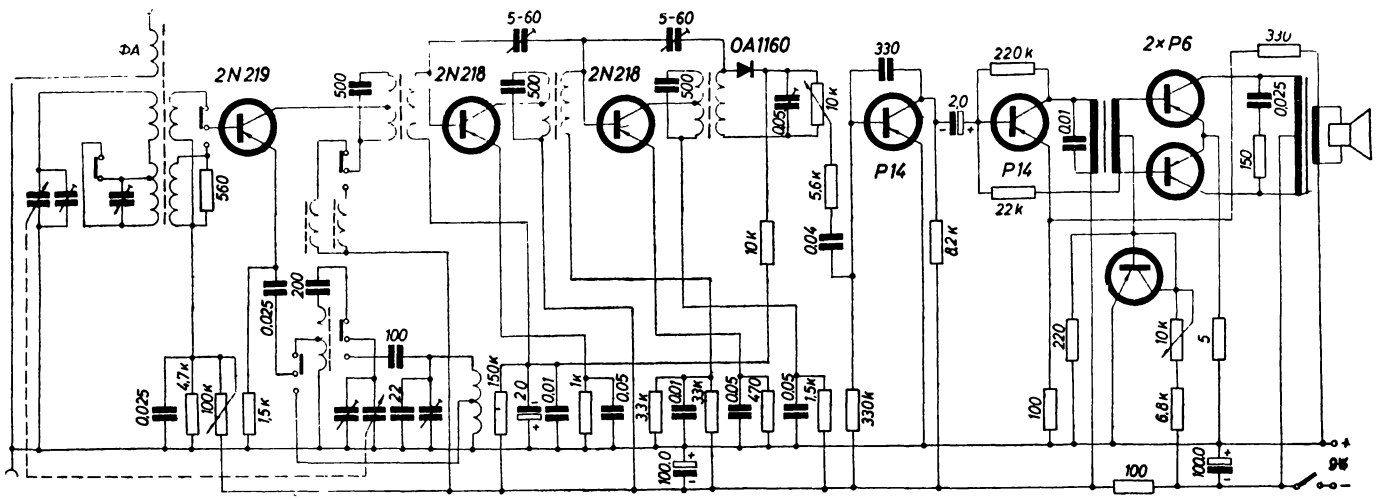
МЧ=450 кНz



УНГАРСКИ РАДИОПРИЕМНИЦИ

ORION **1004** ORIONET

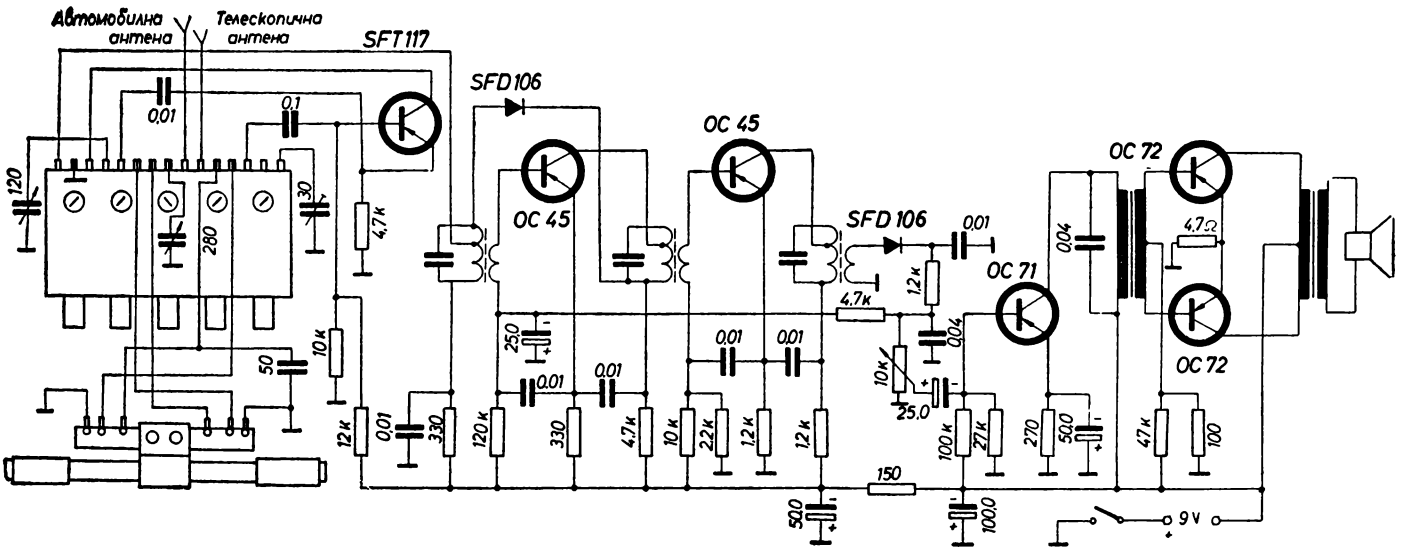
Обхват: СВ, ДВ
МЧ=455 кHz



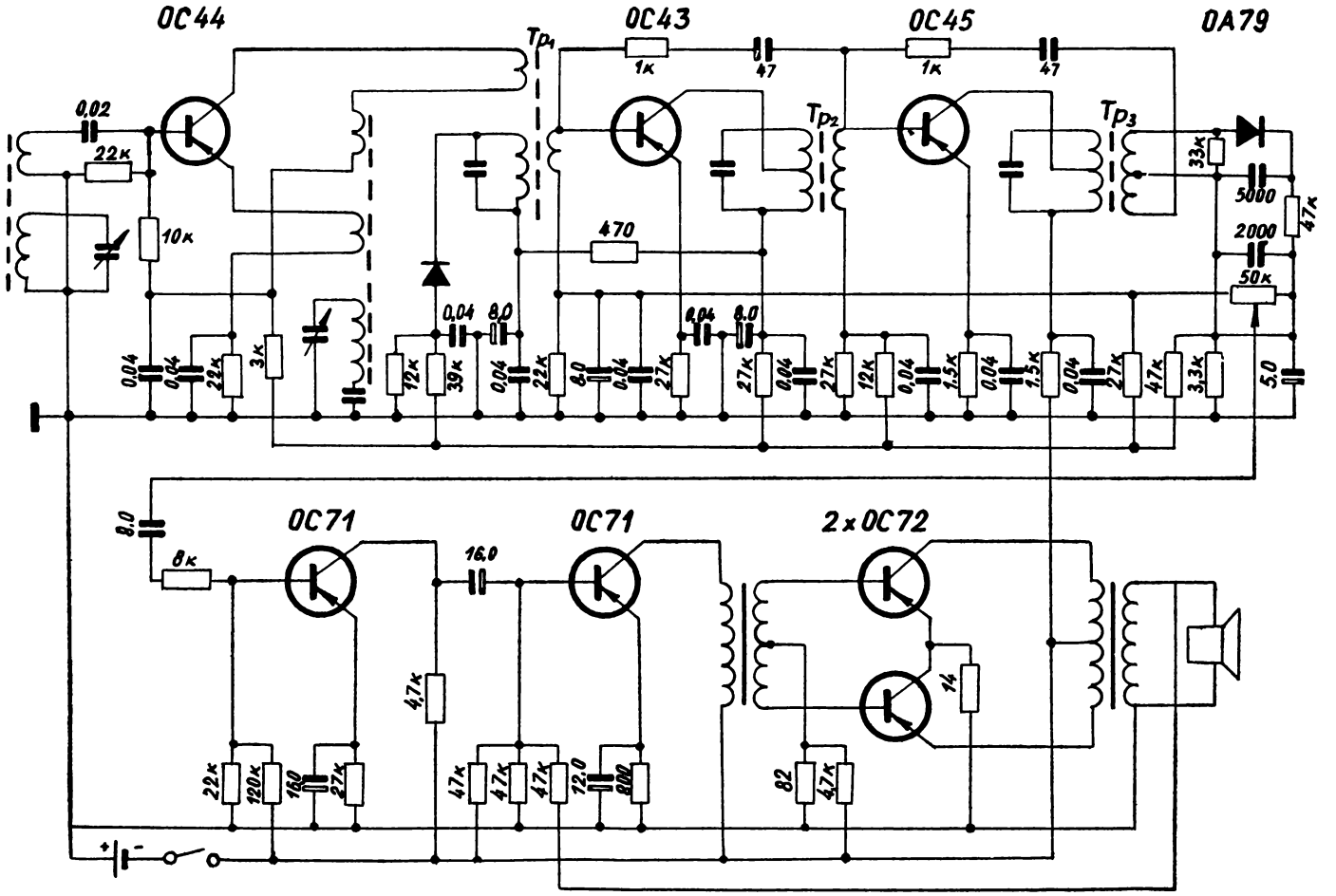
ФРЕНСКИ РАДИОПРИЕМНИЦИ

CAPRI

Обхват: КВ, СВ, ДВ

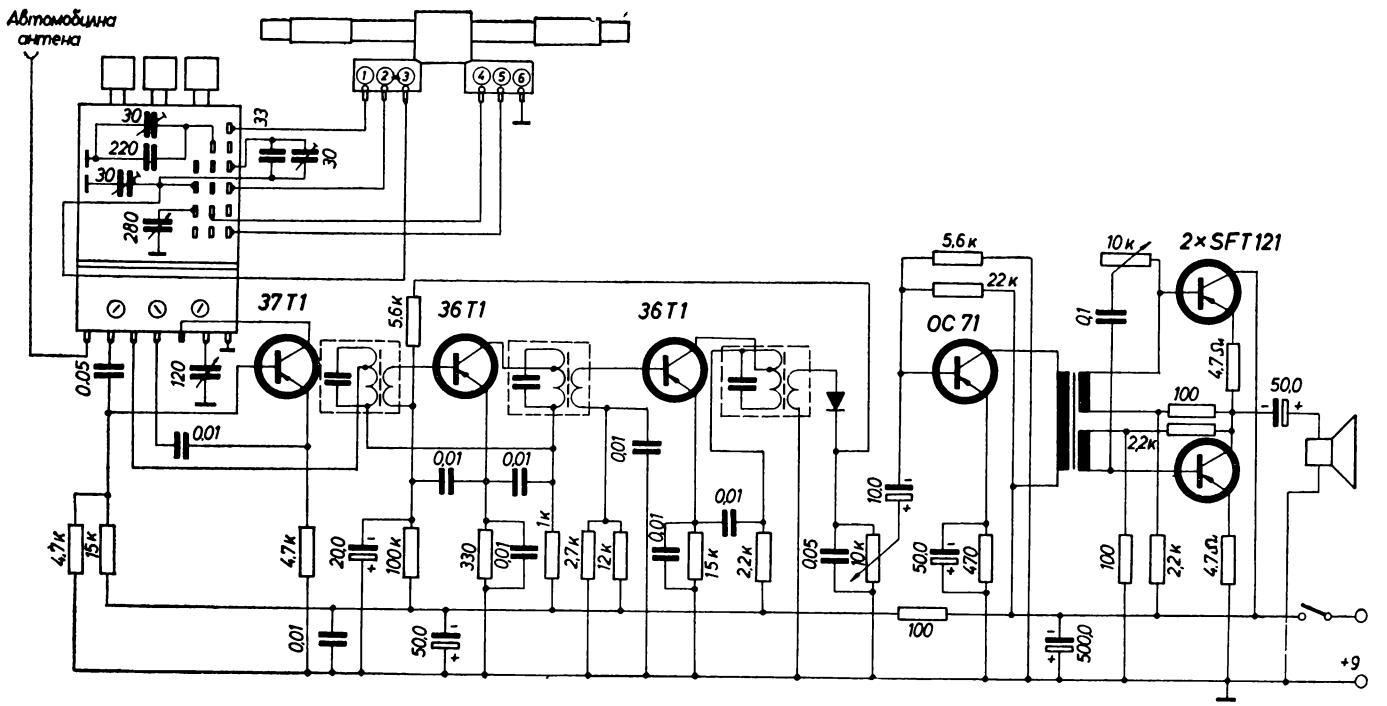


CERT MARITAL 201 T



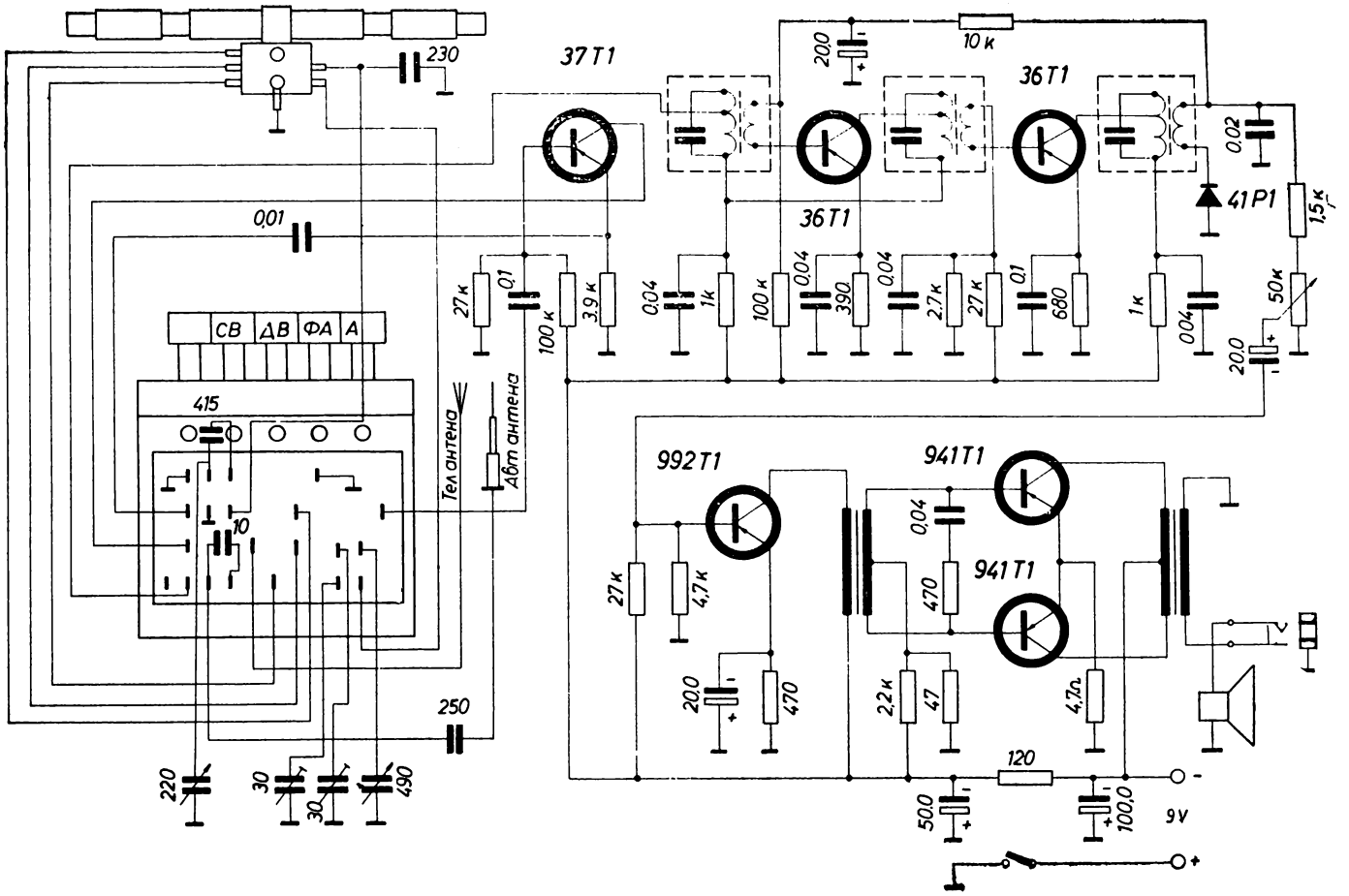
CHAMPION

Обхват: СВ, ДВ



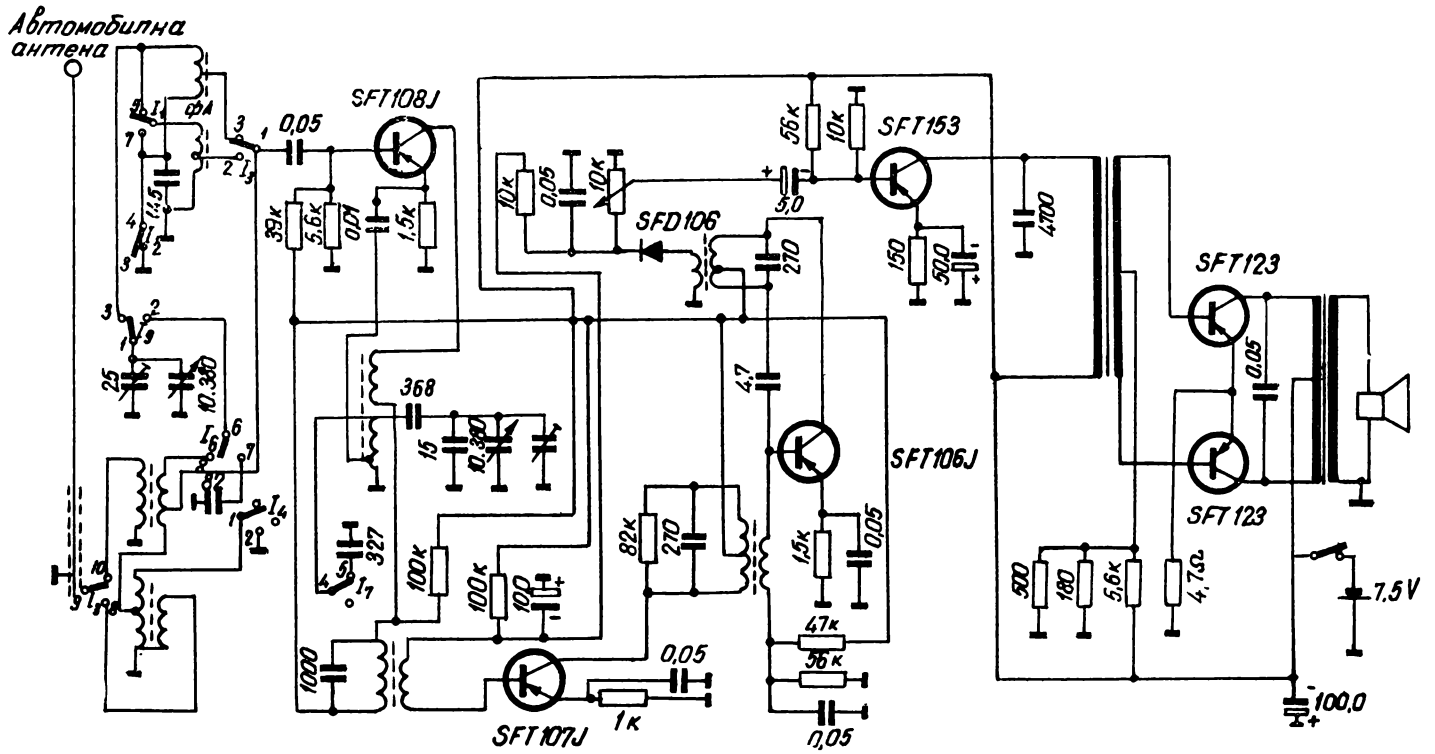
LE CRITERIUM

Обхват: СВ, ДВ



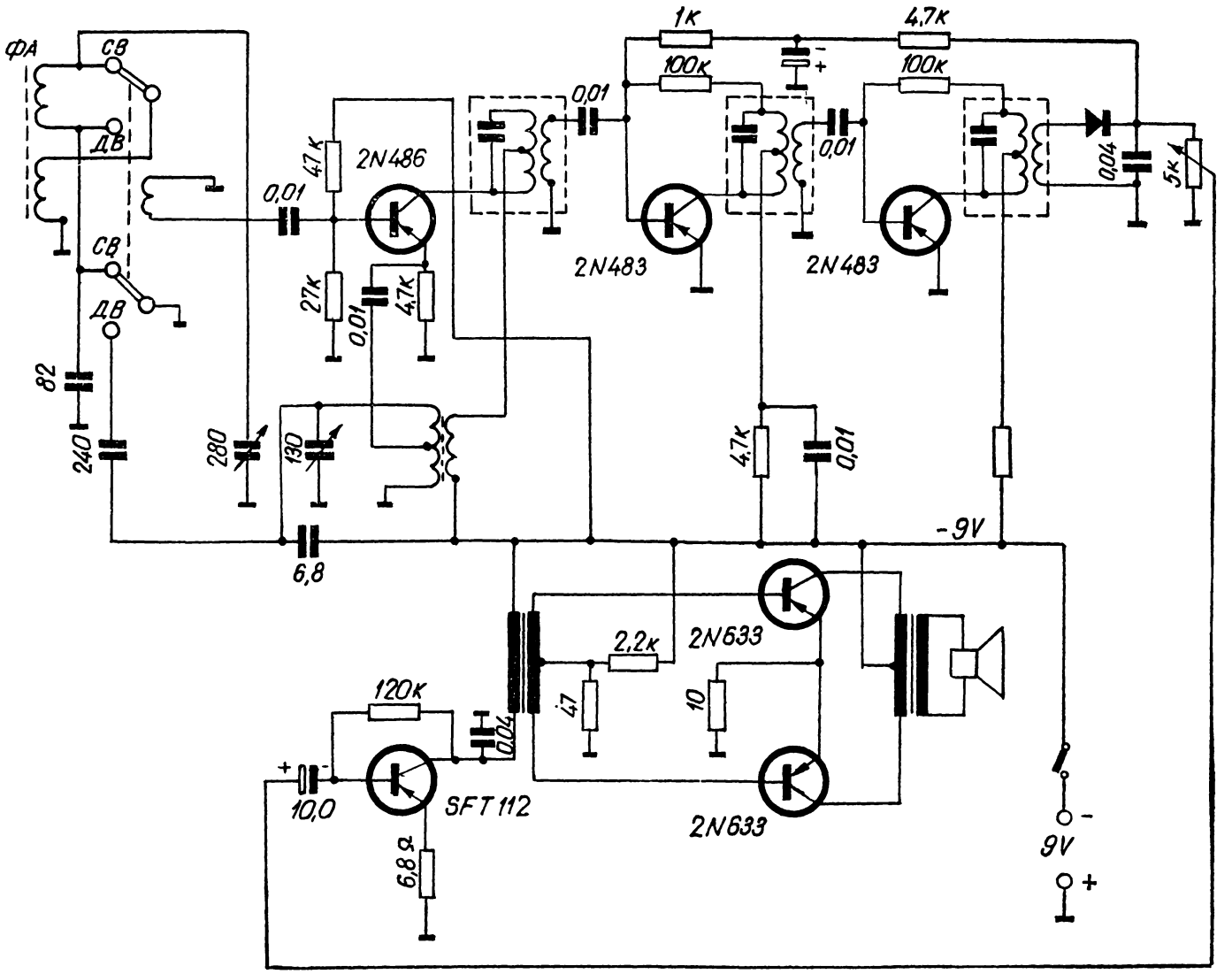
PETIT TIROLIEN

Обхват: СВ, ДВ
МЧ=468 кHz



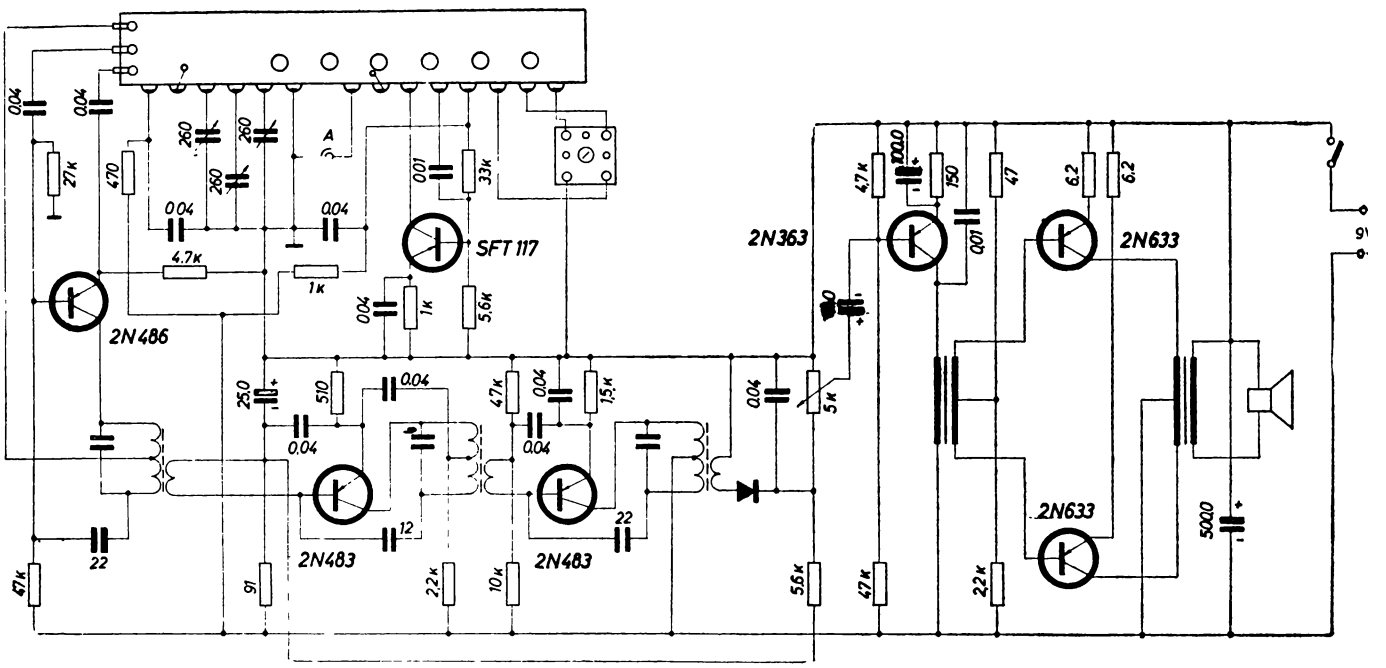
GIGONE

МЧ=455 кHz



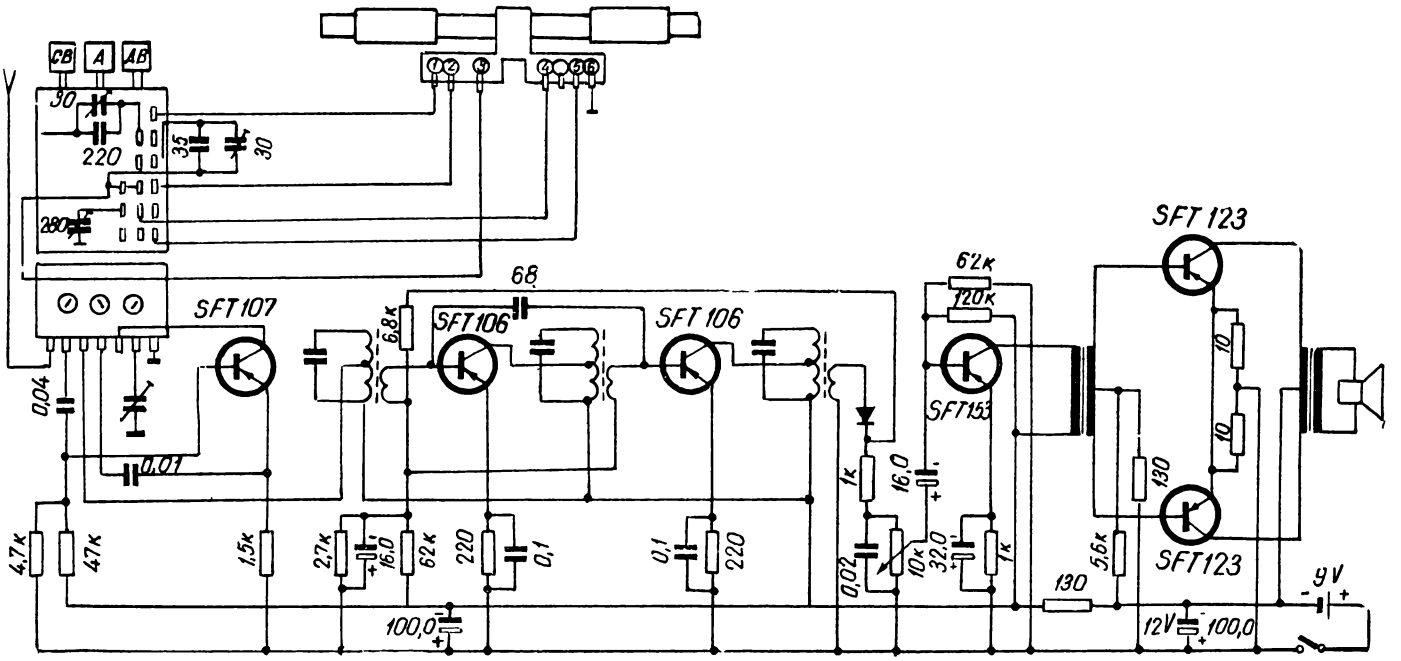
PIONNIER V

Обхват: КВ, СВ, ДВ

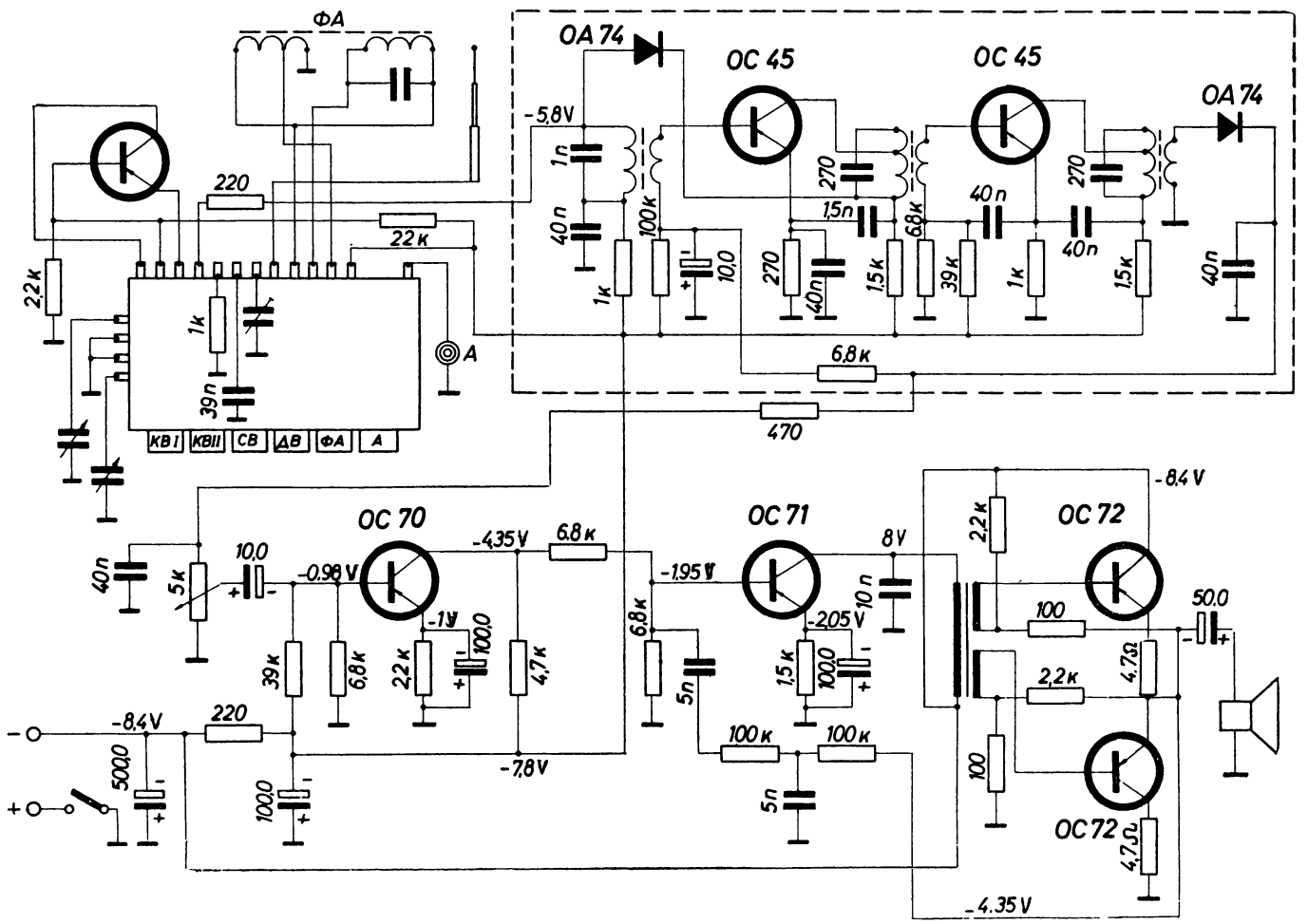


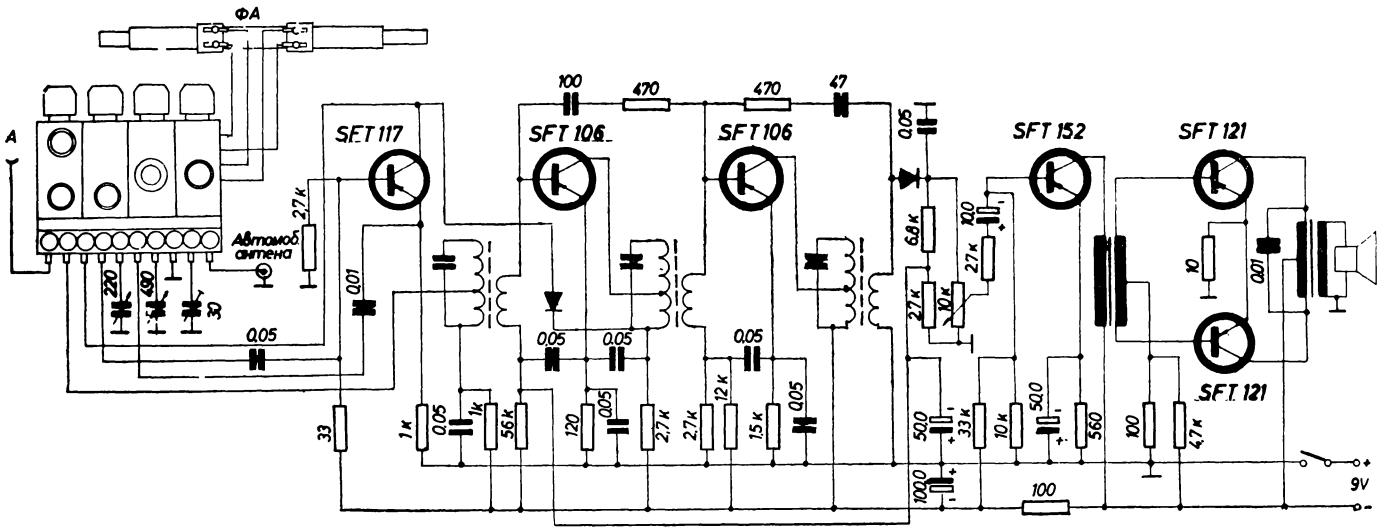
PORKISTOR

Обхват: СВ, ДВ
МЧ=480 кHz



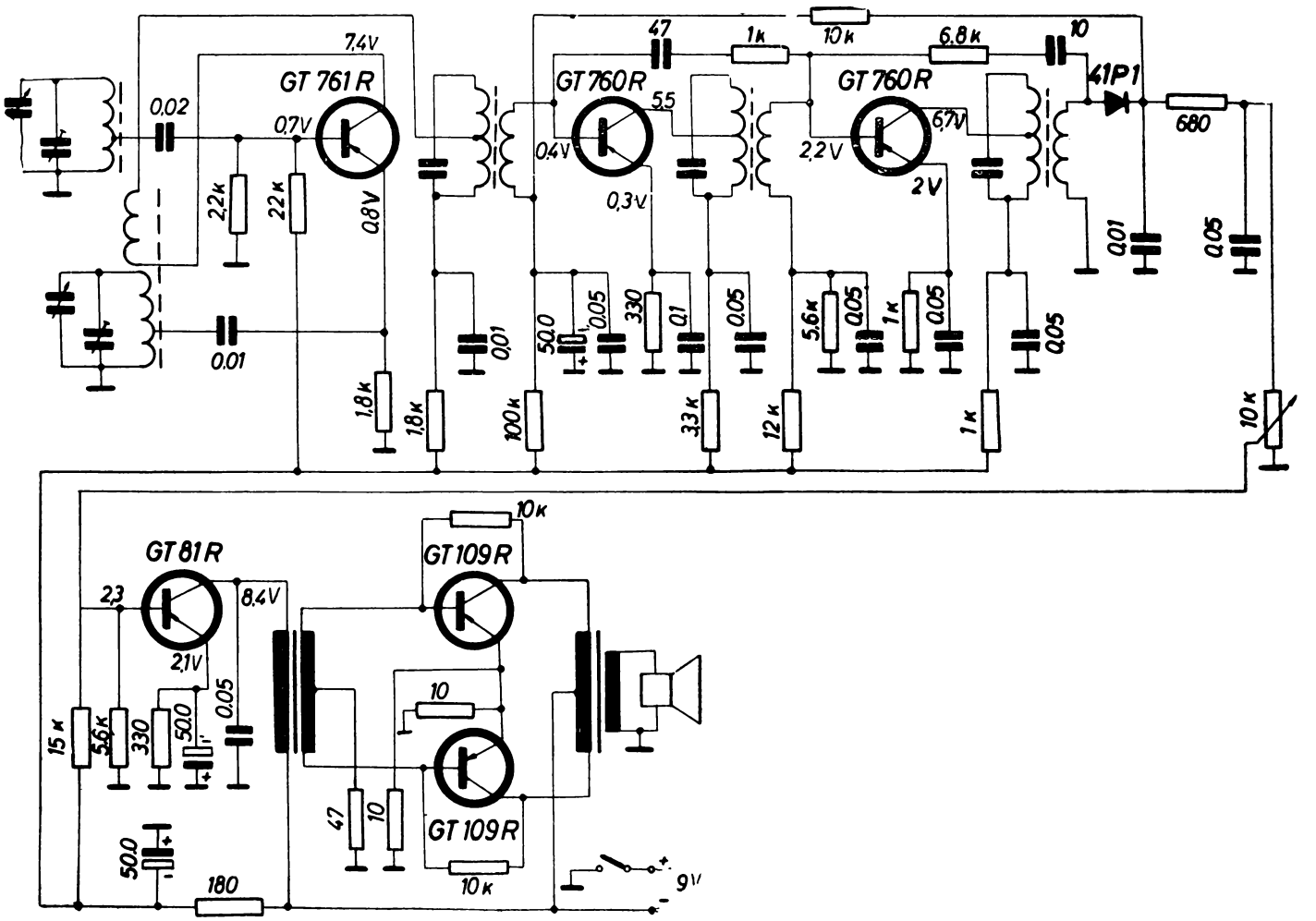
PRESENCE



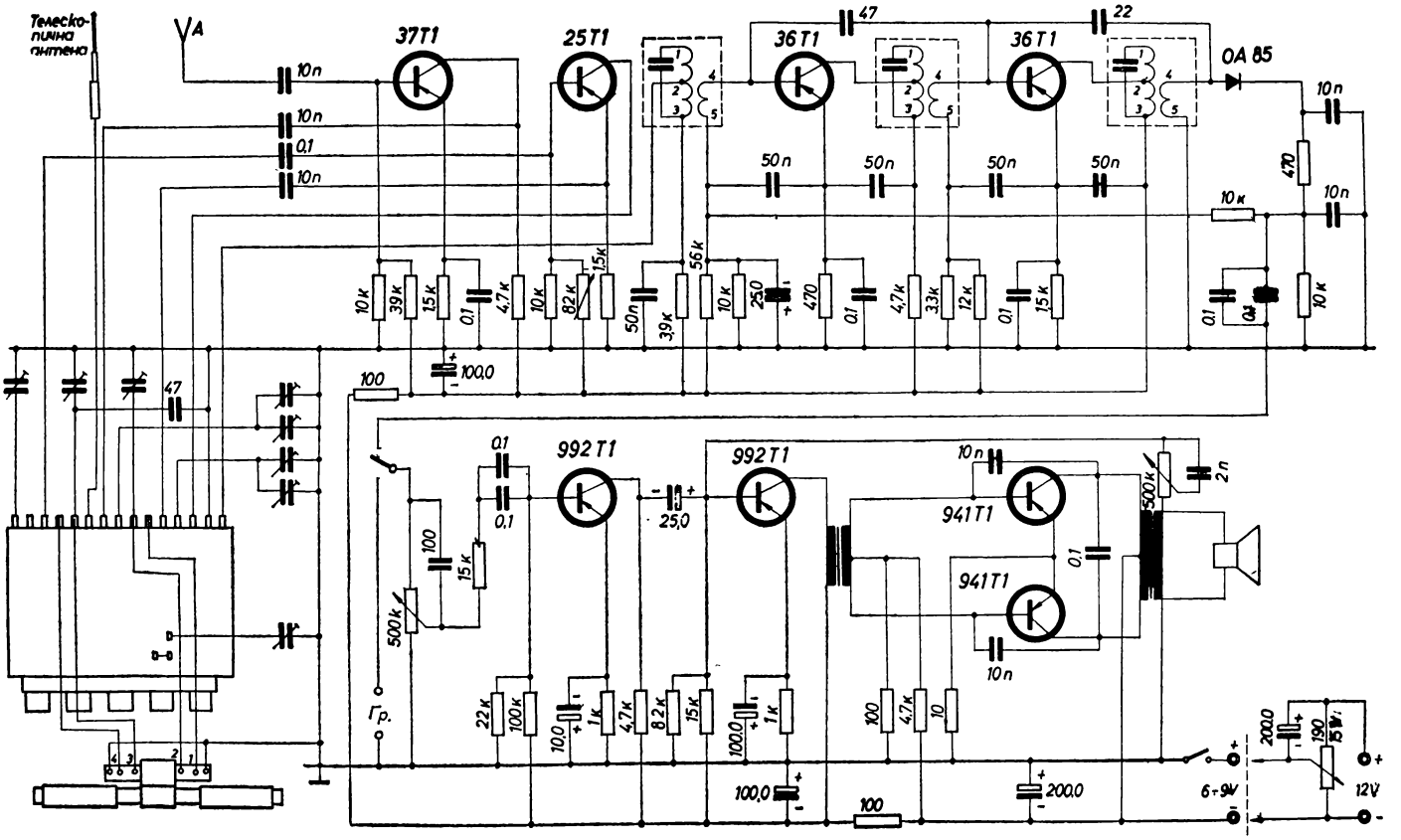


SLAM TRANSISTOR 6

Обхват: СВ, ДВ

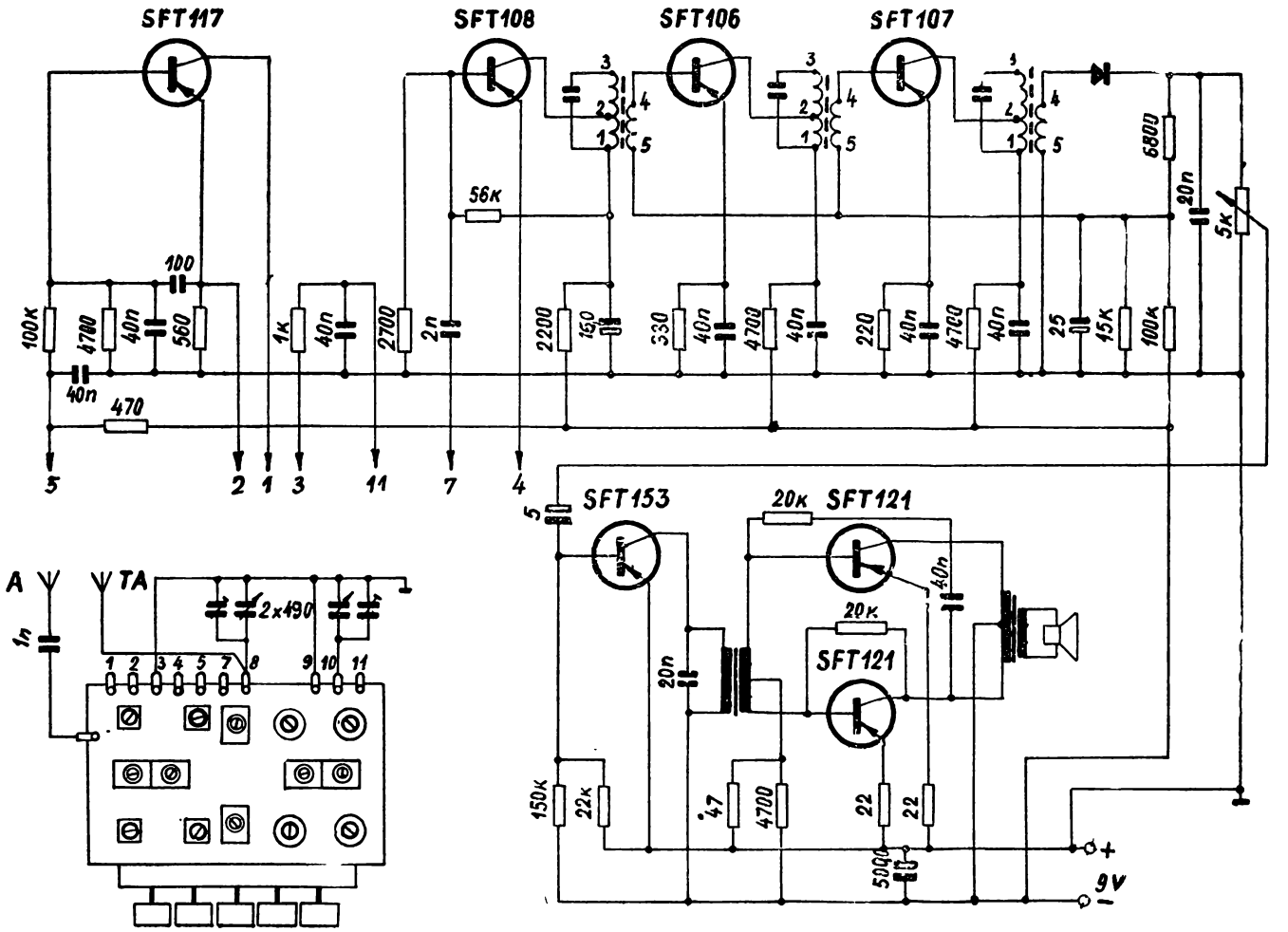


REPORTER



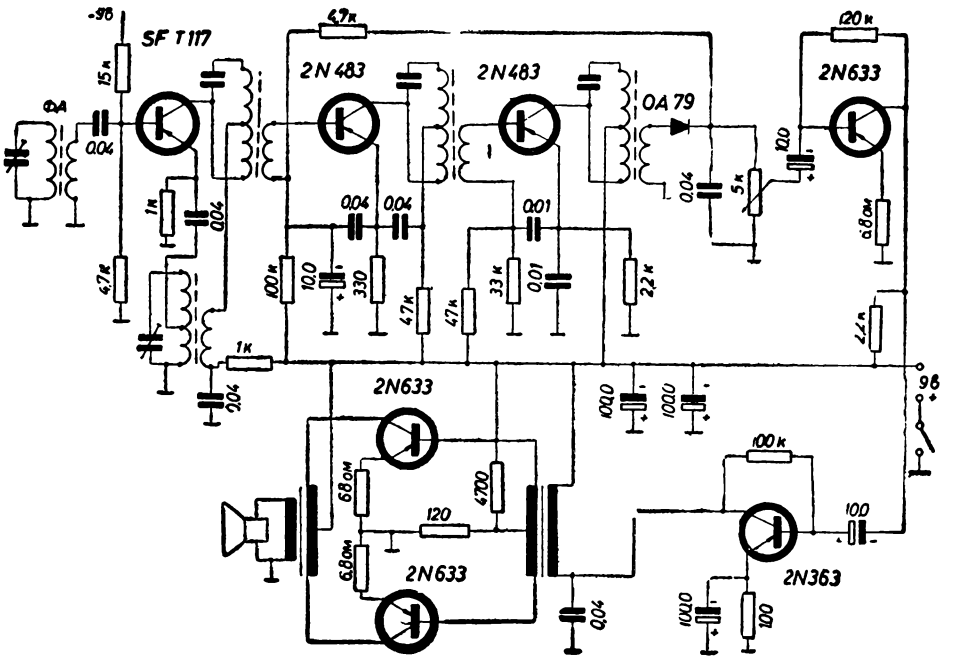
SUPER SPOUTNIK

Обхват: КВ, СВ

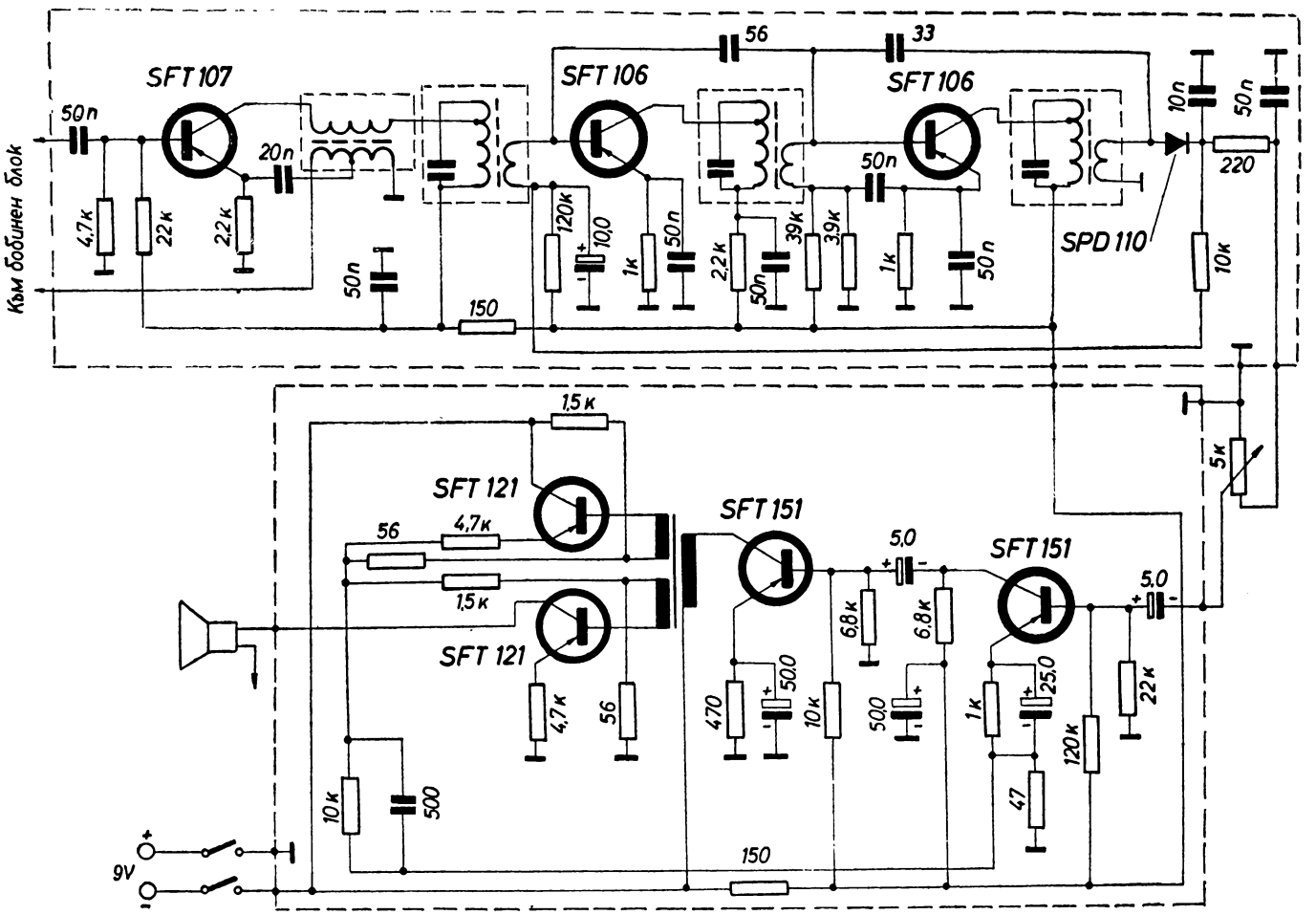


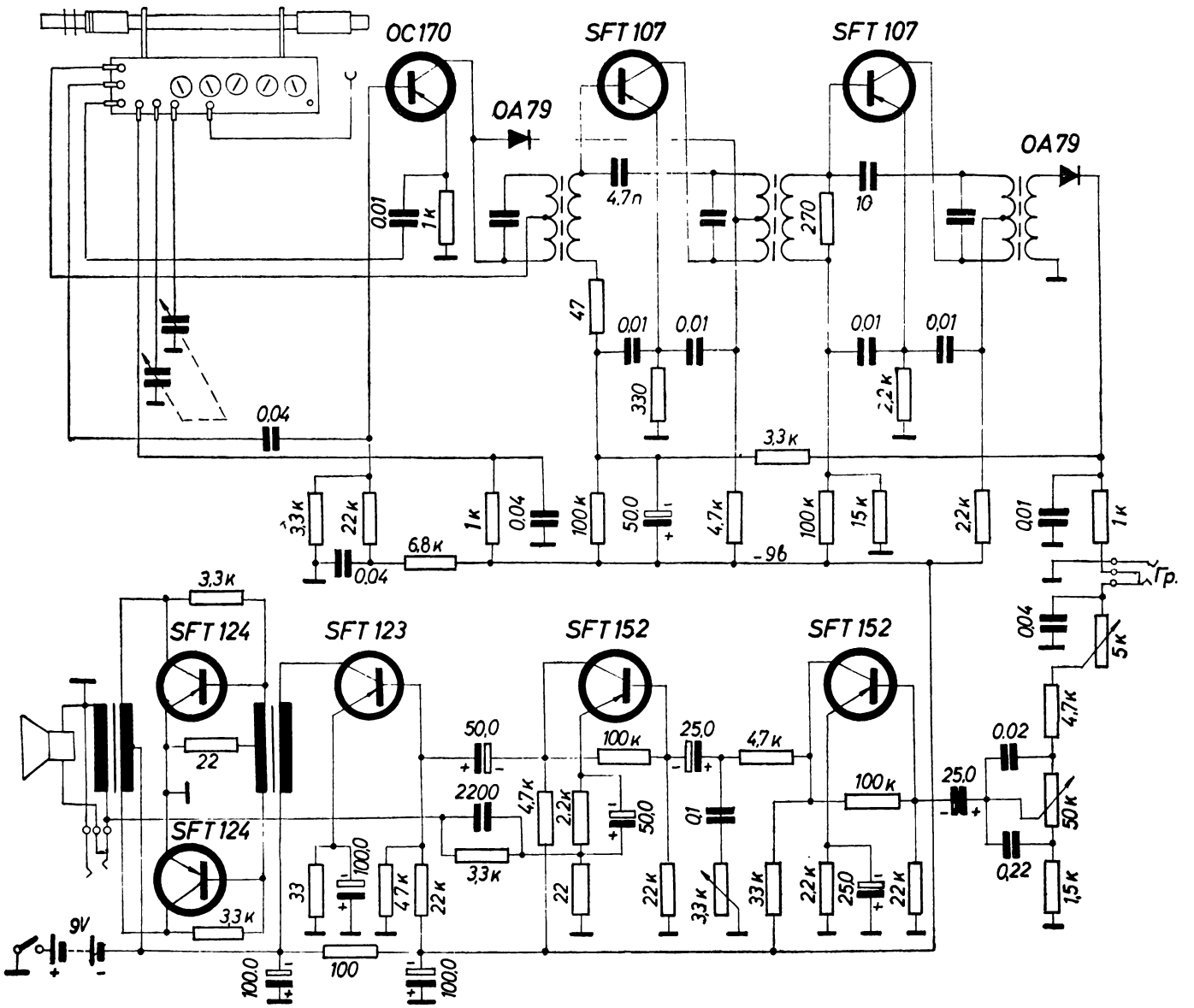
TIROS

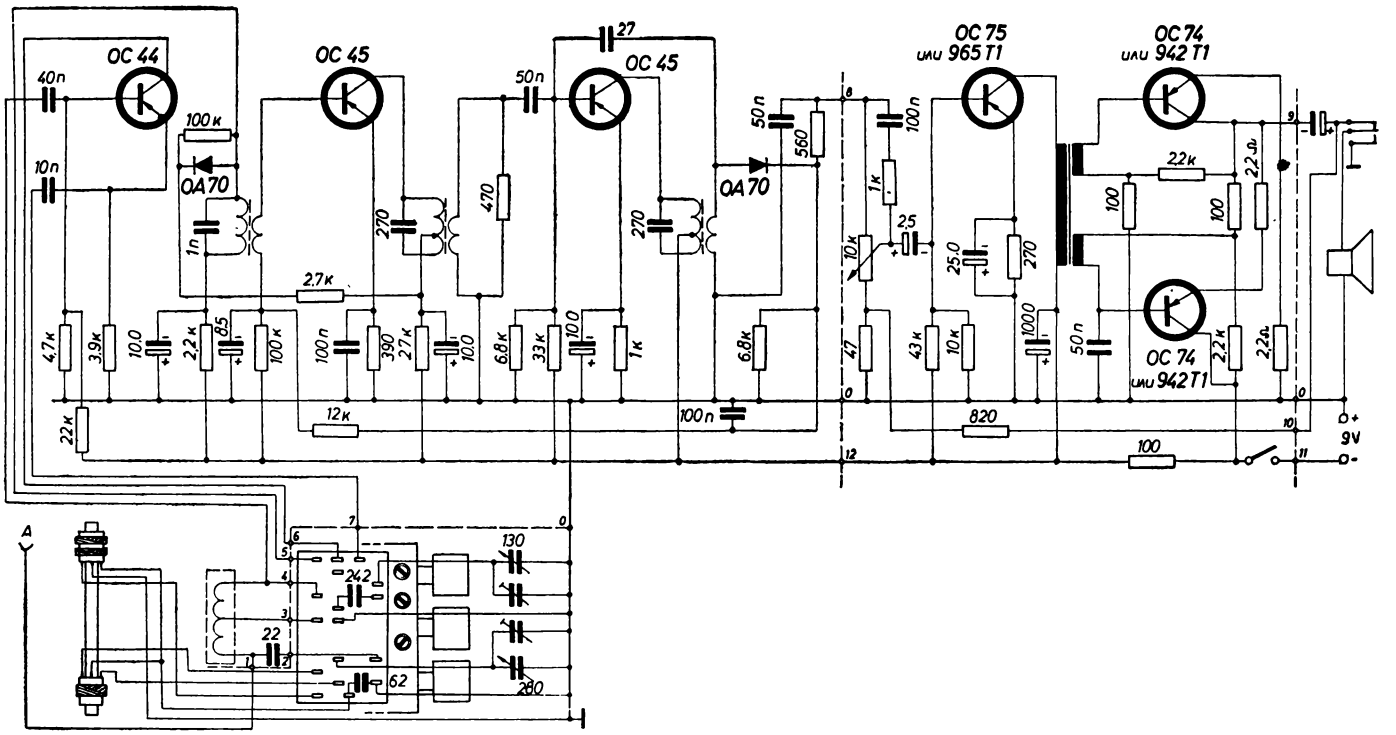
Обхват: КВ, СВ
или КВ, ДВ
МЧ=455 кHz



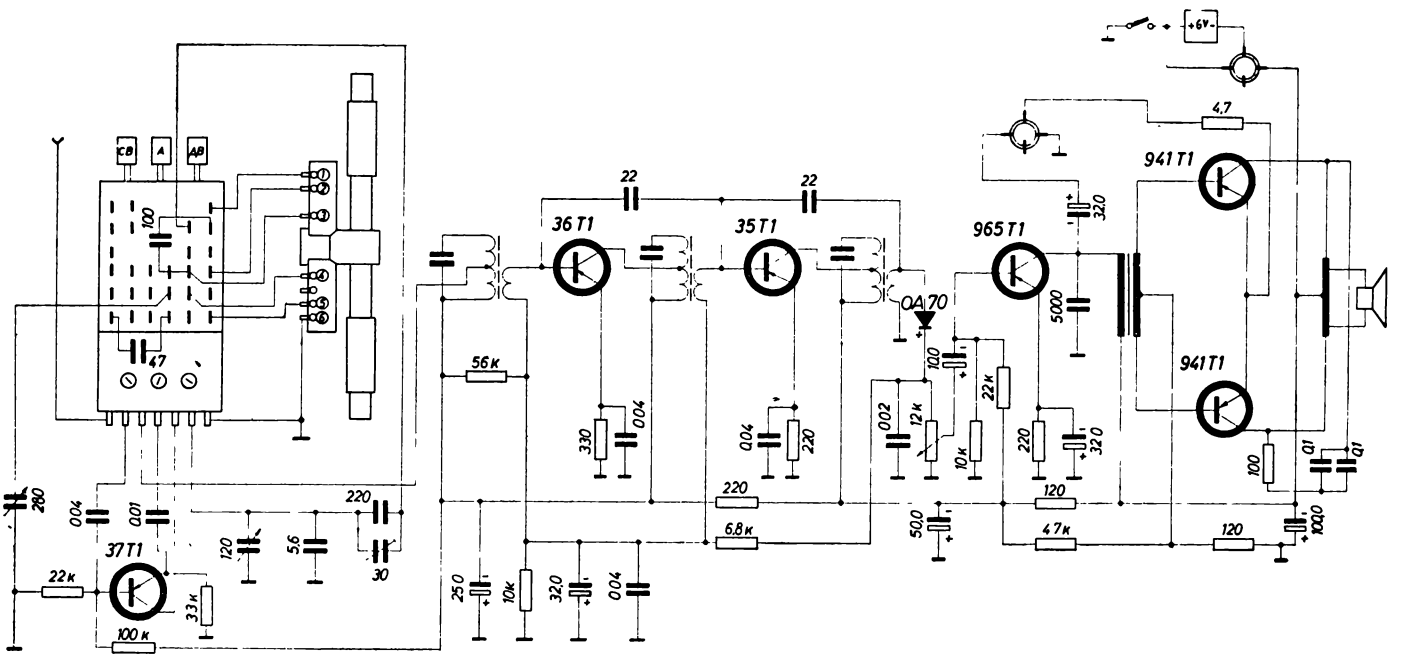
TRANSISPORT (CLARVILLE)




OC170
SFT 107
SFT 107
OA79
OA79
SFT 124
SFT 123
SFT 152
SFT 152
SFT 124
9V
Гр.

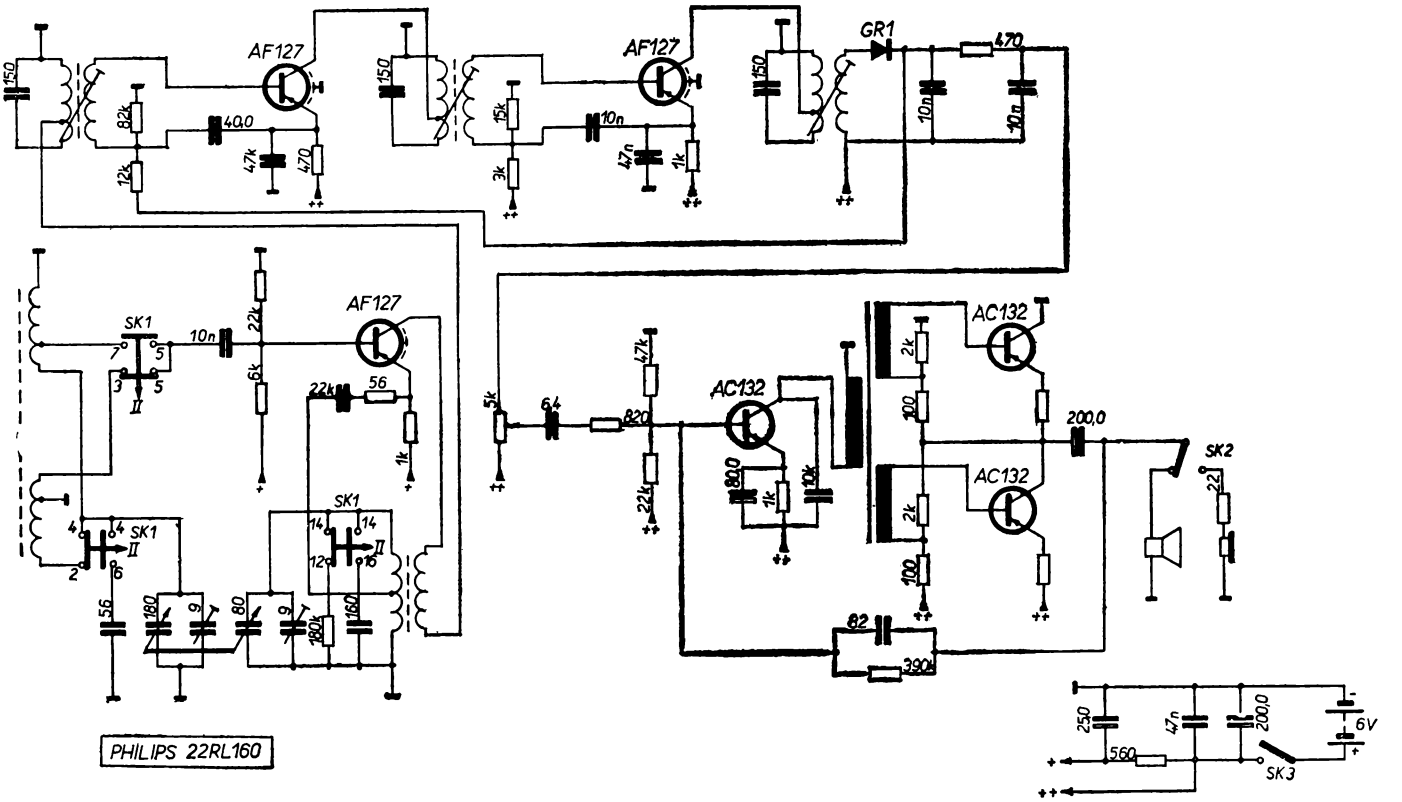

OC 44
OC 45
OC 45
OC 75
ou 965 T1
OC 74
ou 942 T1
OC 74
ou 942 T1
OA 70
OA 70
40n
10n
100k
1n
2.7k
27
50n
50n
560
100n
1k
25
10k
25.0
270
100
22k
2.2n
4.7k
3.9k
10.0
2.2k
85
100k
100n
390
27k
10.0
6.8k
33k
10.0
1k
6.8k
47
43k
10k
1000
50n
22k
12k
100n
820
100
9V
A
130
242
22
62
280

VOILIER


CB
A
AB
47
56k
36T1
35T1
965T1
941T1
941T1
OA70
37T1
22
22
330
004
004
220
002
12k
10k
22k
220
320
5000
100
320
220
120
6.8k
47k
120
50.0
100
01
01
1000
280
004
001
220
120
5.6
30
22k
33k
100k
25.0
10k
320
004
4.7
+6V

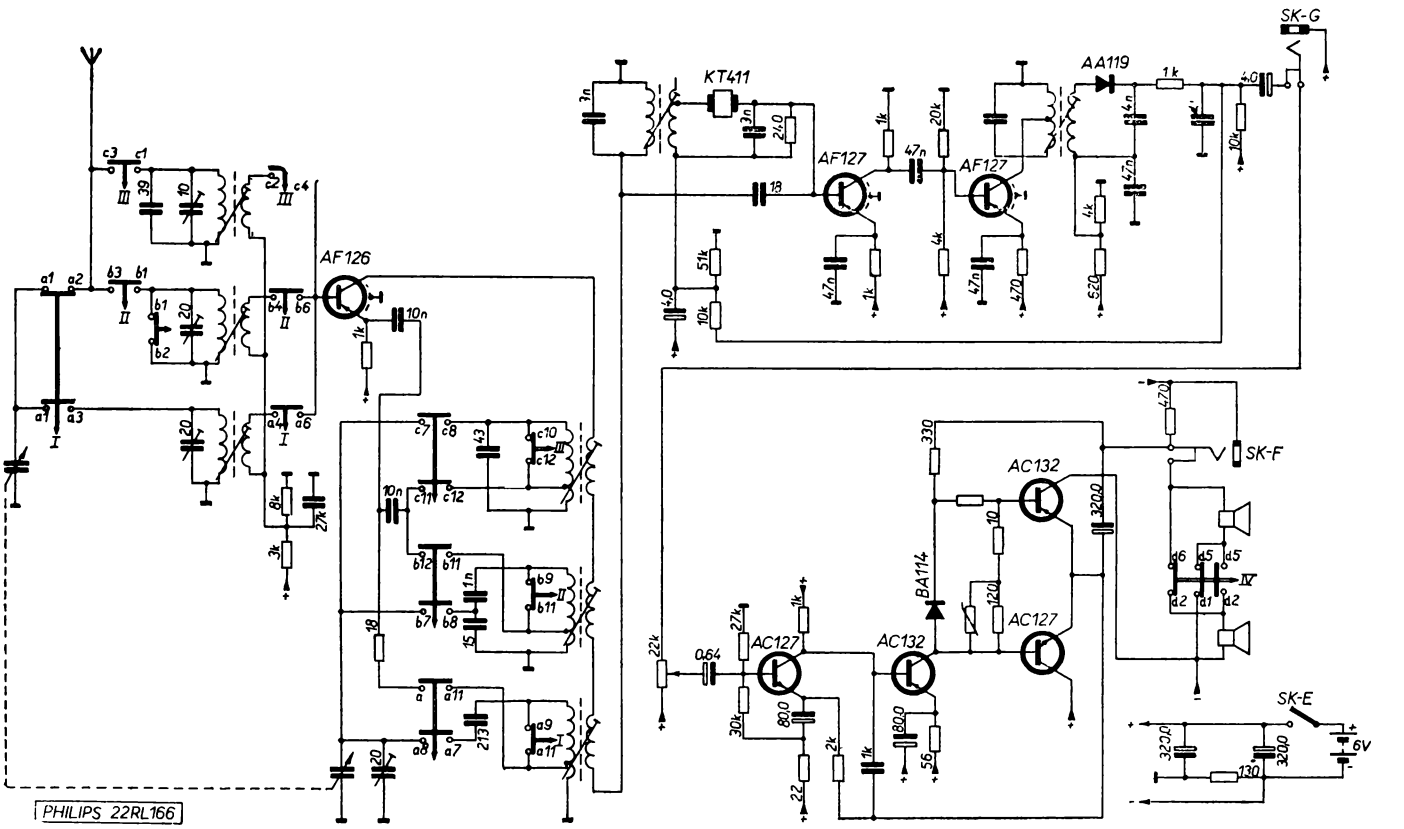
PHILIPS 22RL 160/00B
22RL 160/00F
22RL 160/00L

Обхват: СВ, ДВ
МЧ - 452 кHz



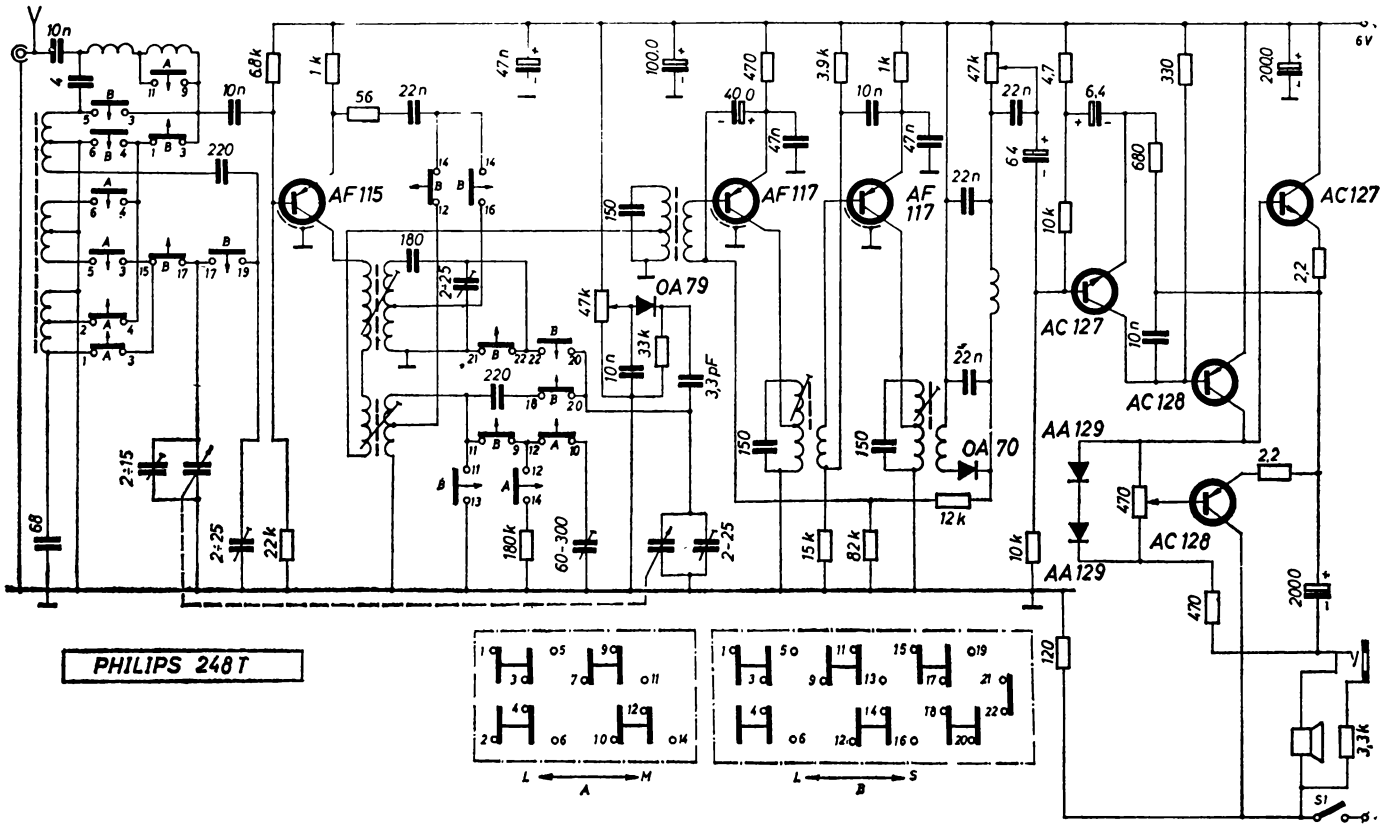
PHILIPS 22RL 166/10R
22RL 166/10F
22RL 166/10X

Обхват: КВ1, КВ2, СВ
МЧ=453 кHz



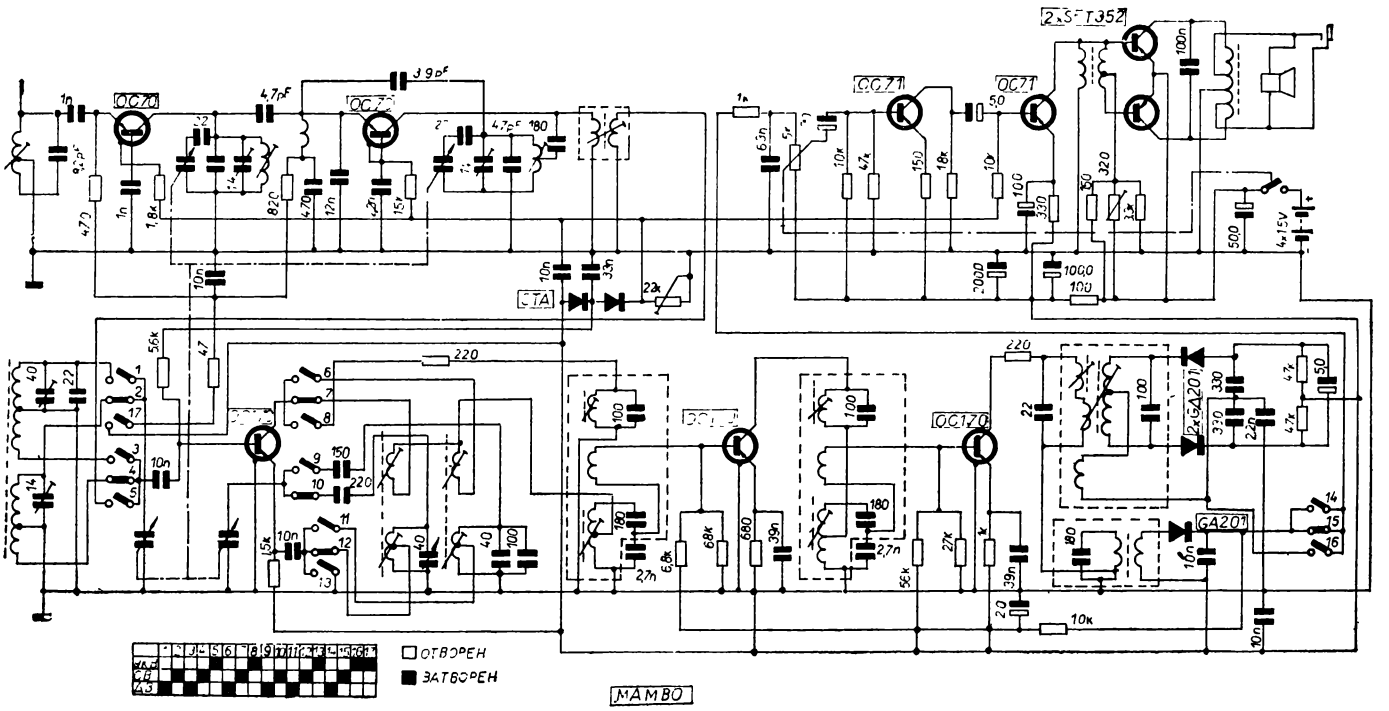
PHILIPS 248T NEW YORKER

Обхват: КВ, СВ, ДВ
МЧ=470 кHz

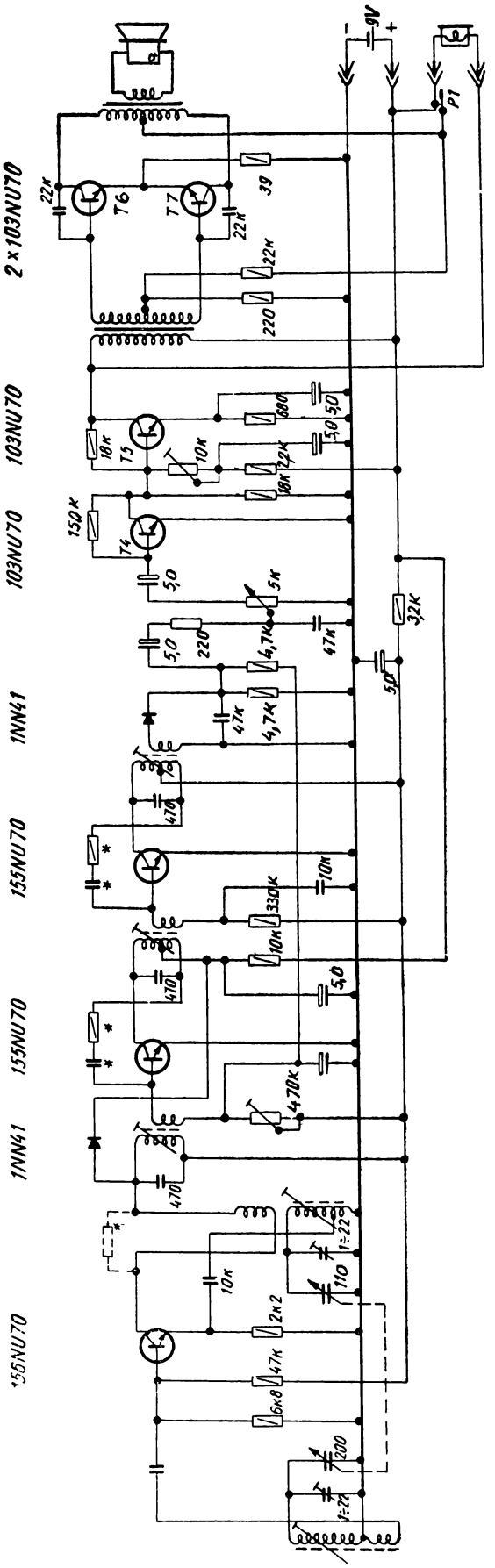


МАМВО **2816 B-2**

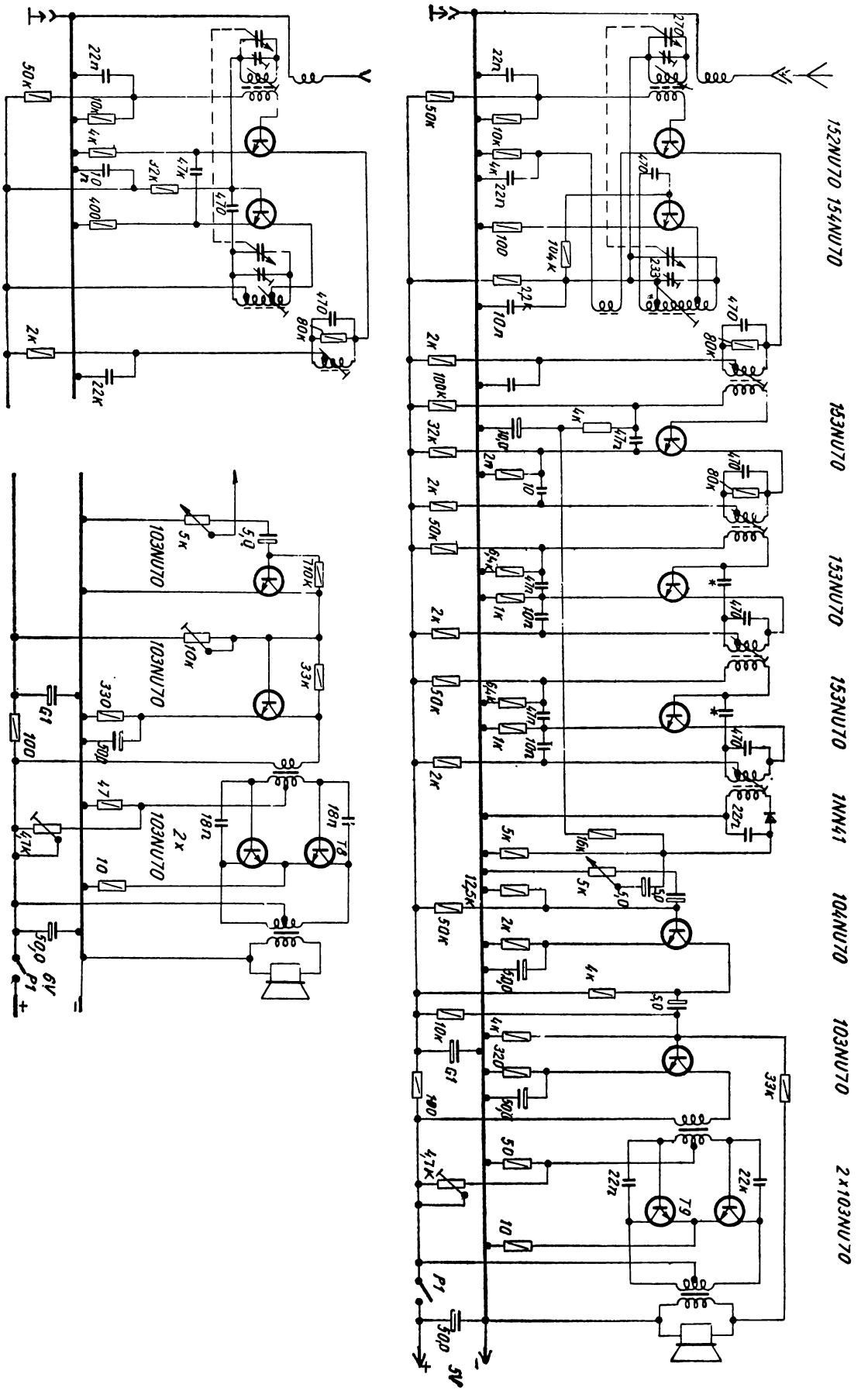
Обхват: УКВ, СВ, ДВ
МЧ=459 kHz



Обхват: СВ
МЧ=452 кHz

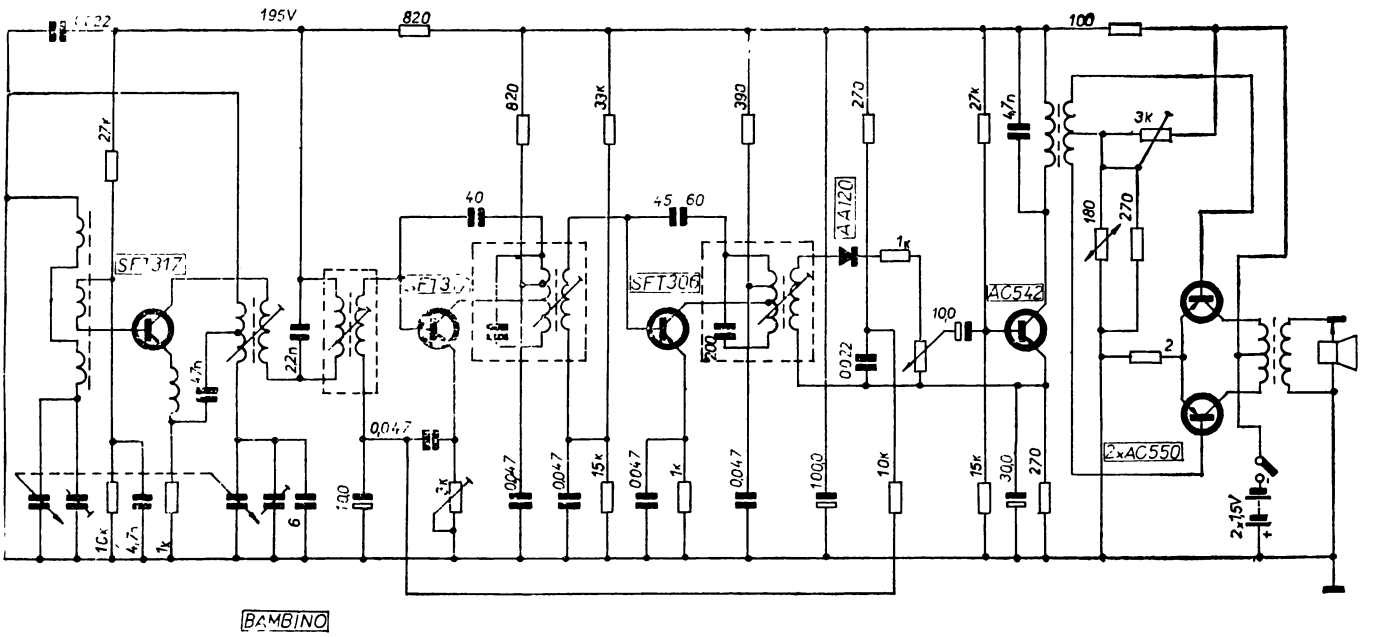


Обхват: СВ
МЧ=250 кHz



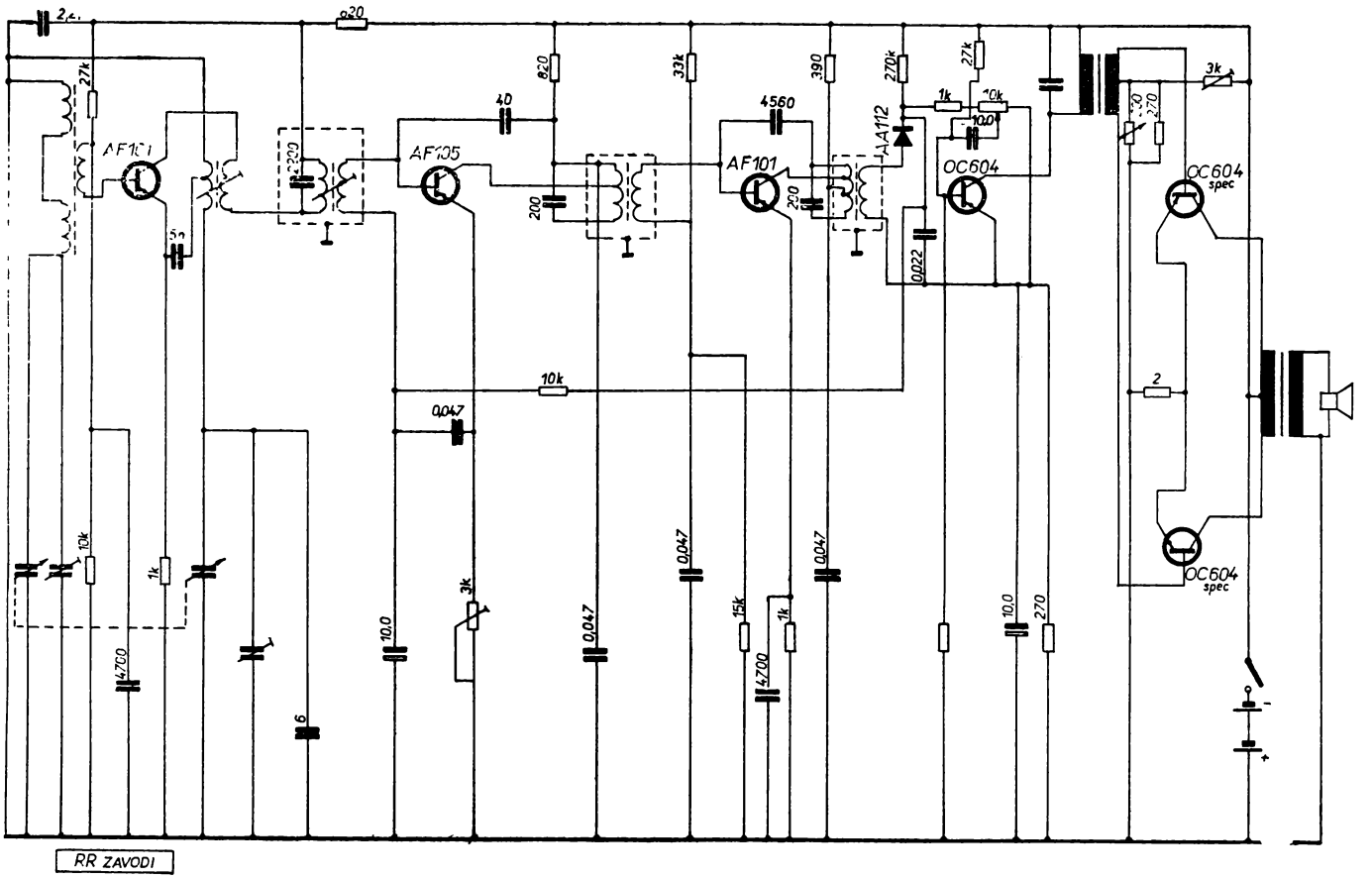
BAMBINO

Обхват: СВ
МЧ=460 кHz



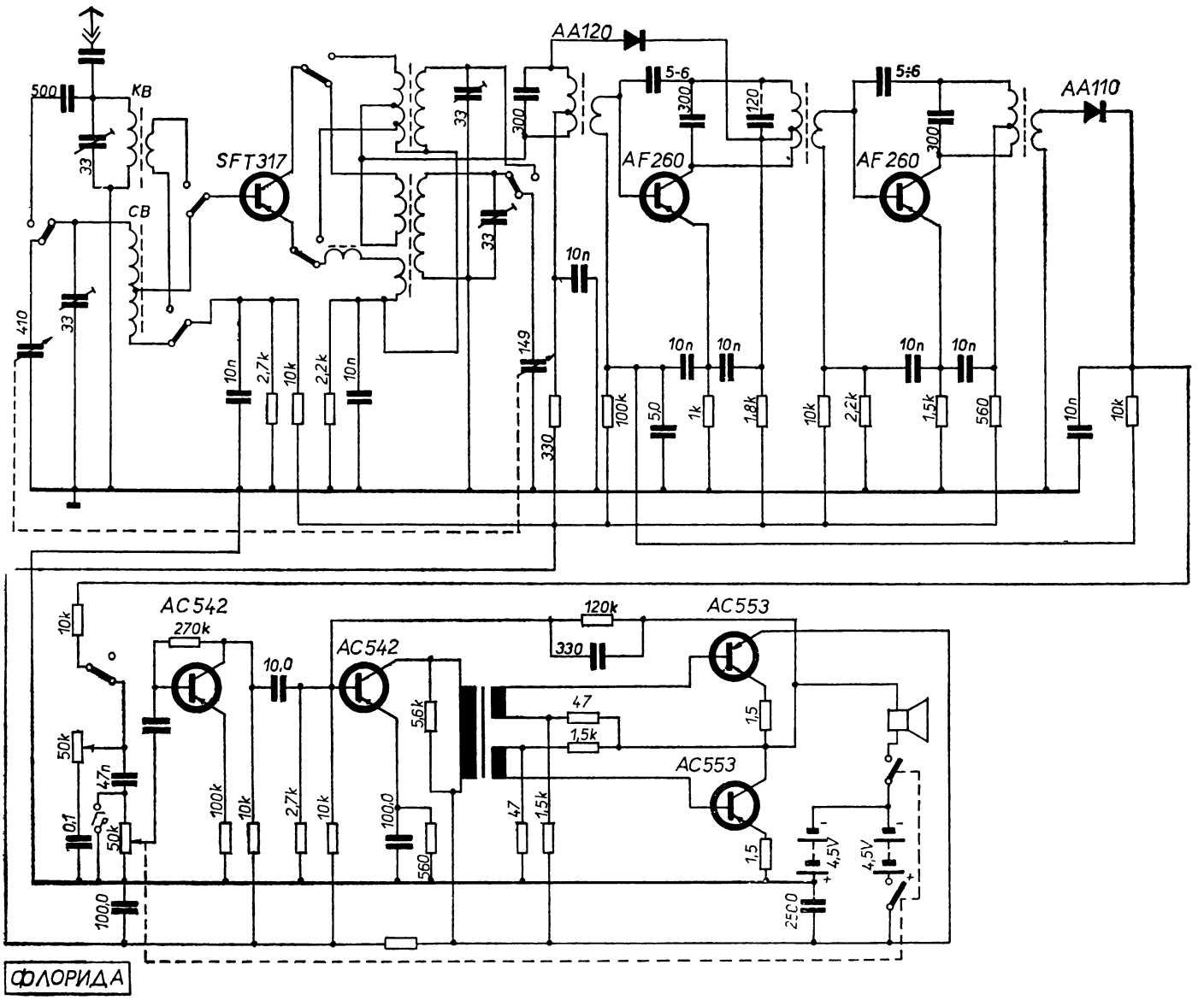
RR ZAVODI

Обхват: 515÷1625 кHz
МЧ=460 кHz



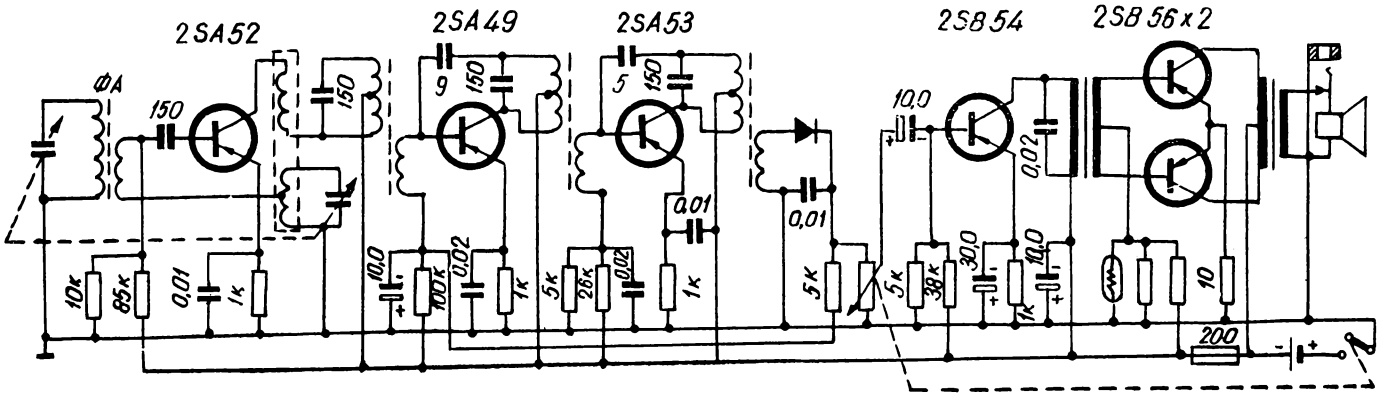
FLORIDA

Обхват: КВ 5,7÷12,6 MHz
СВ 514÷1620 кHz
МЧ=461 кHz



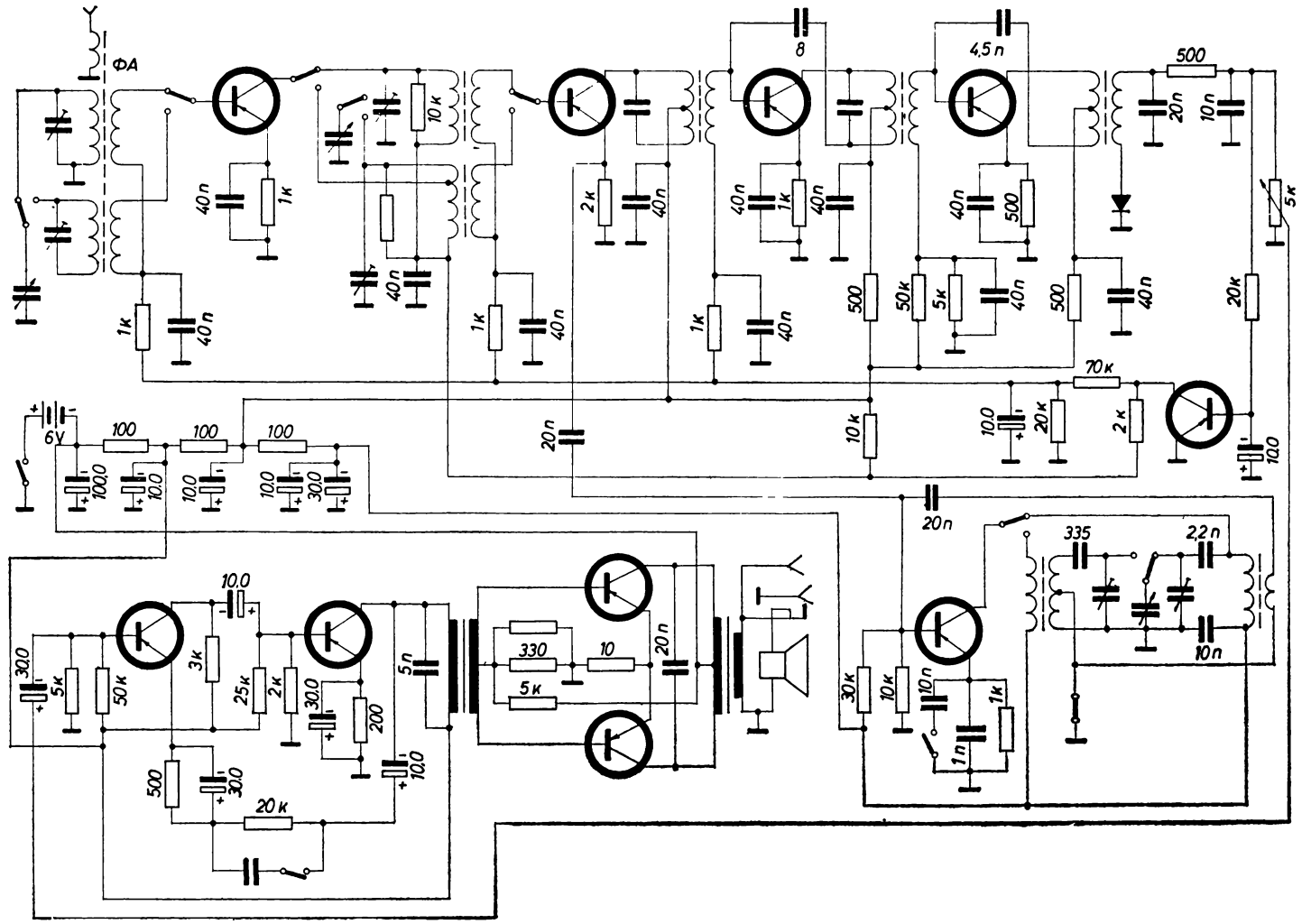
AIWA AR6—65

Обхват: СВ

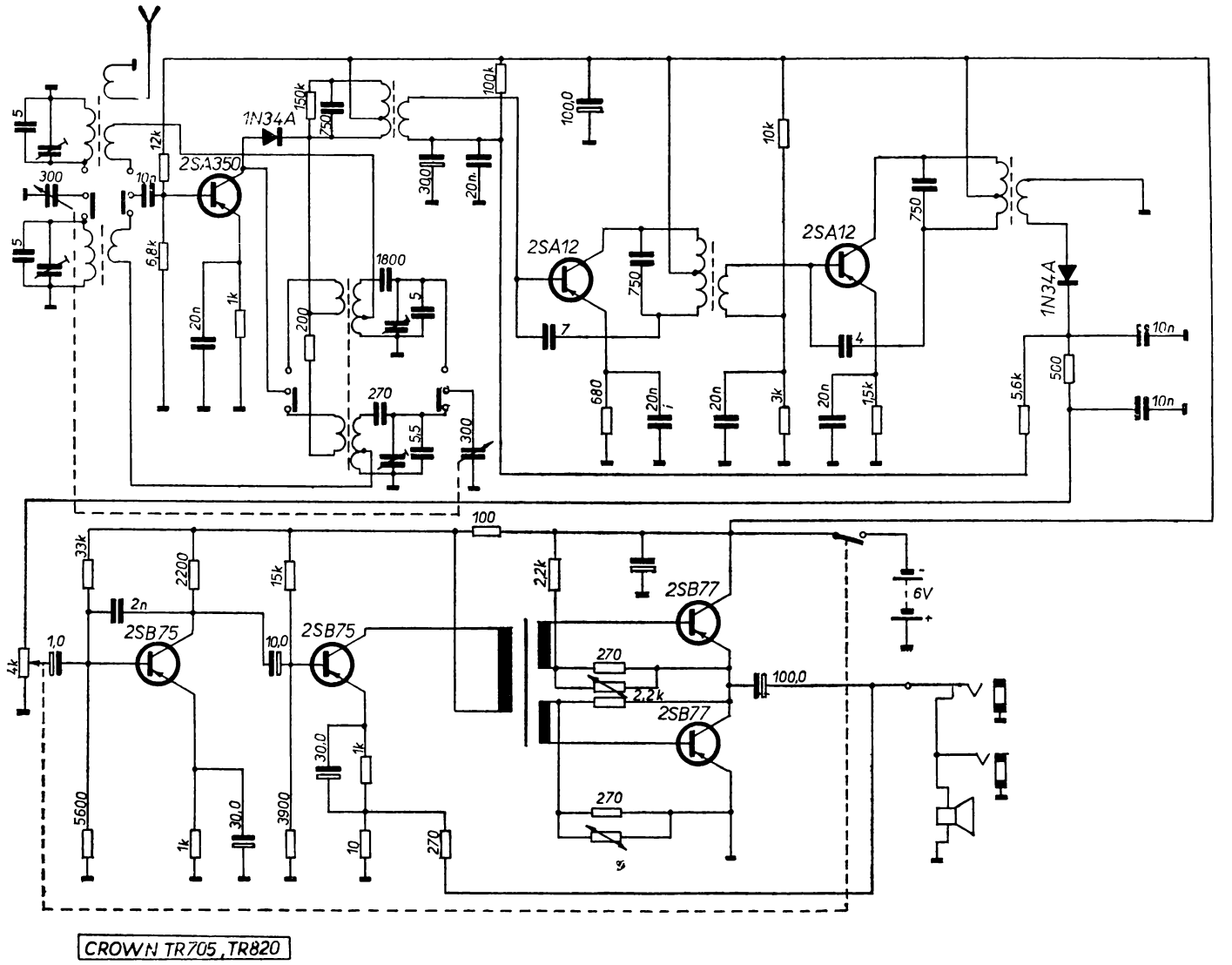


SHARP BX 3R6

Обхват: КВ, СВ
МЧ=455 кHz

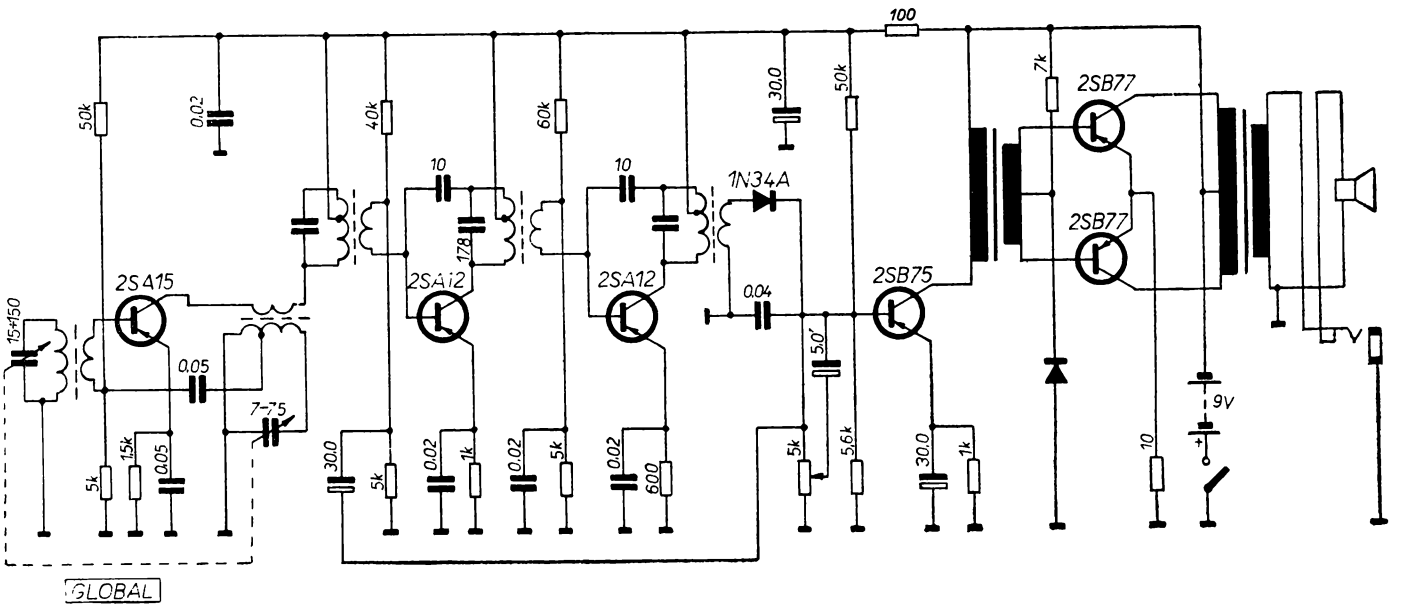


CROWN TR 705, TR 820

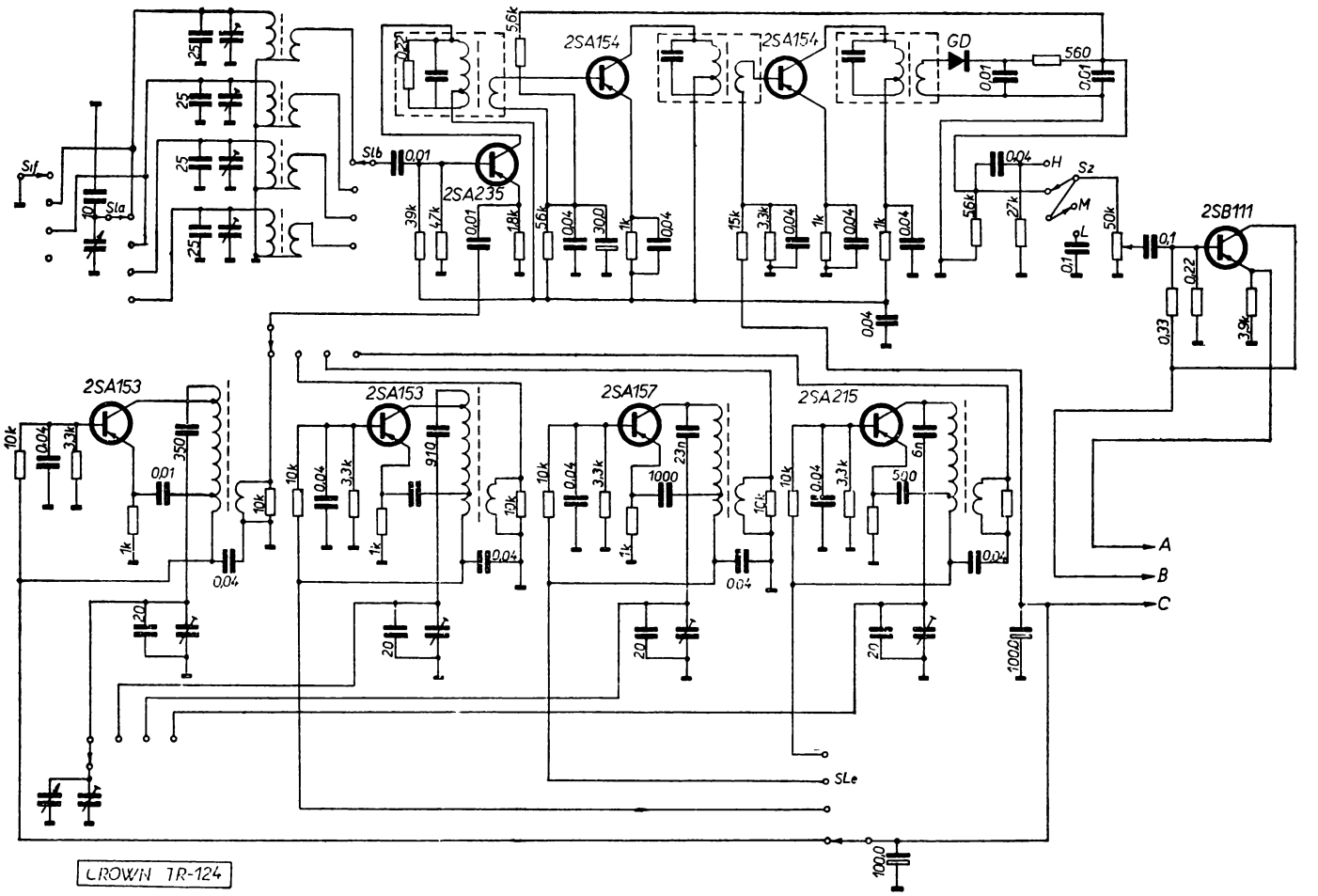


GLOBAL

Обхват СВ 520÷1600 кHz
МЧ=455 кHz

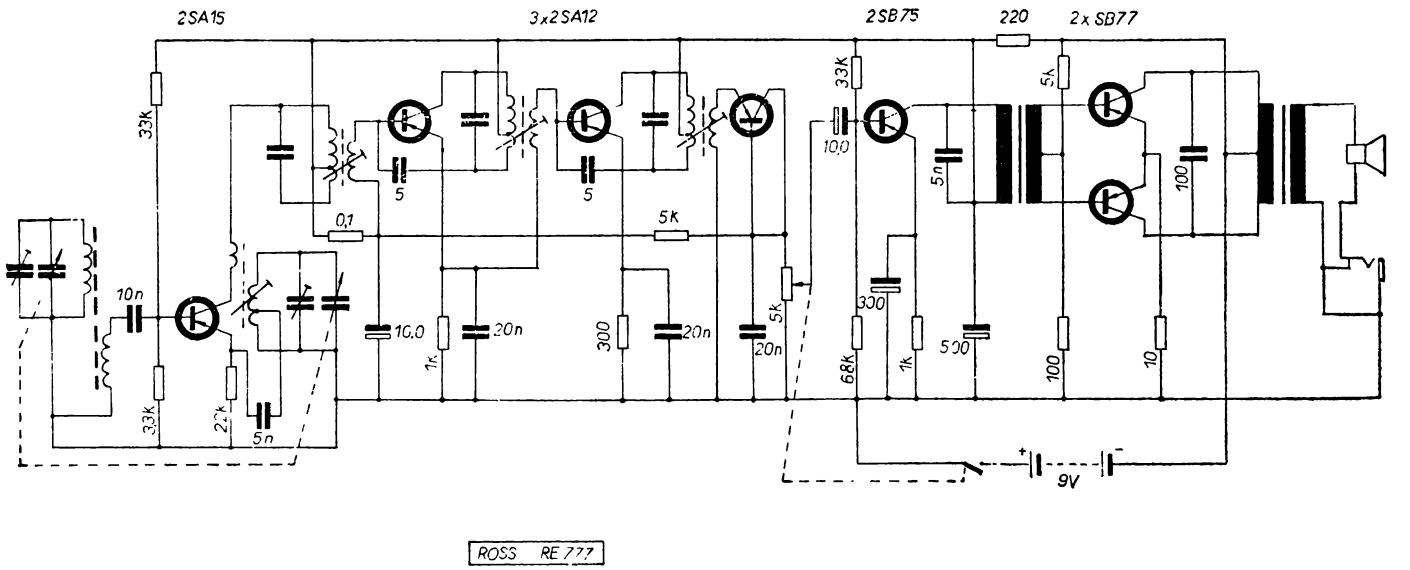


CROWN TR **124**



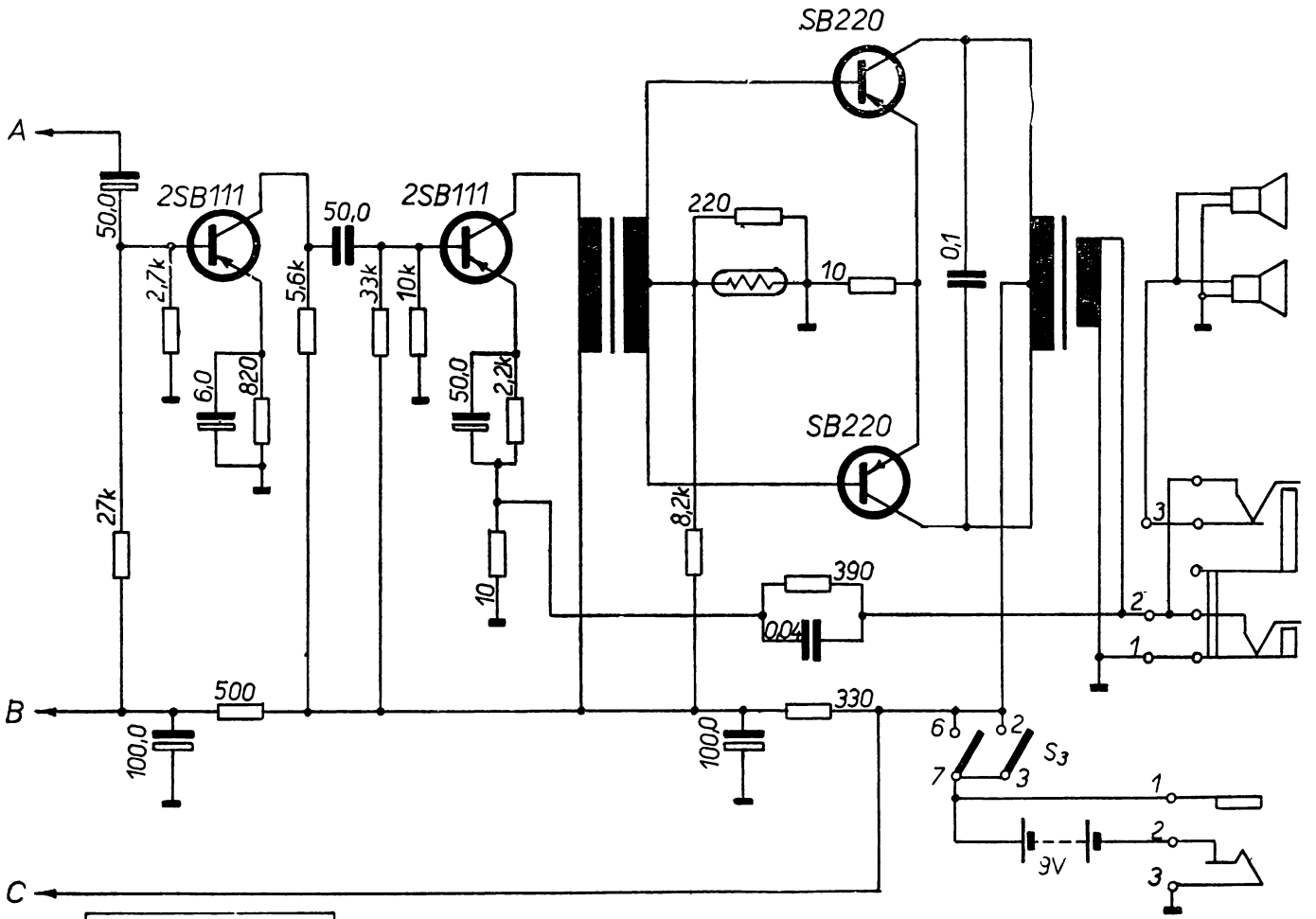
ROSS RE 777

Обхват: СВ 535÷1605 кHz
МЧ=455 кHz



CROWN TR 124

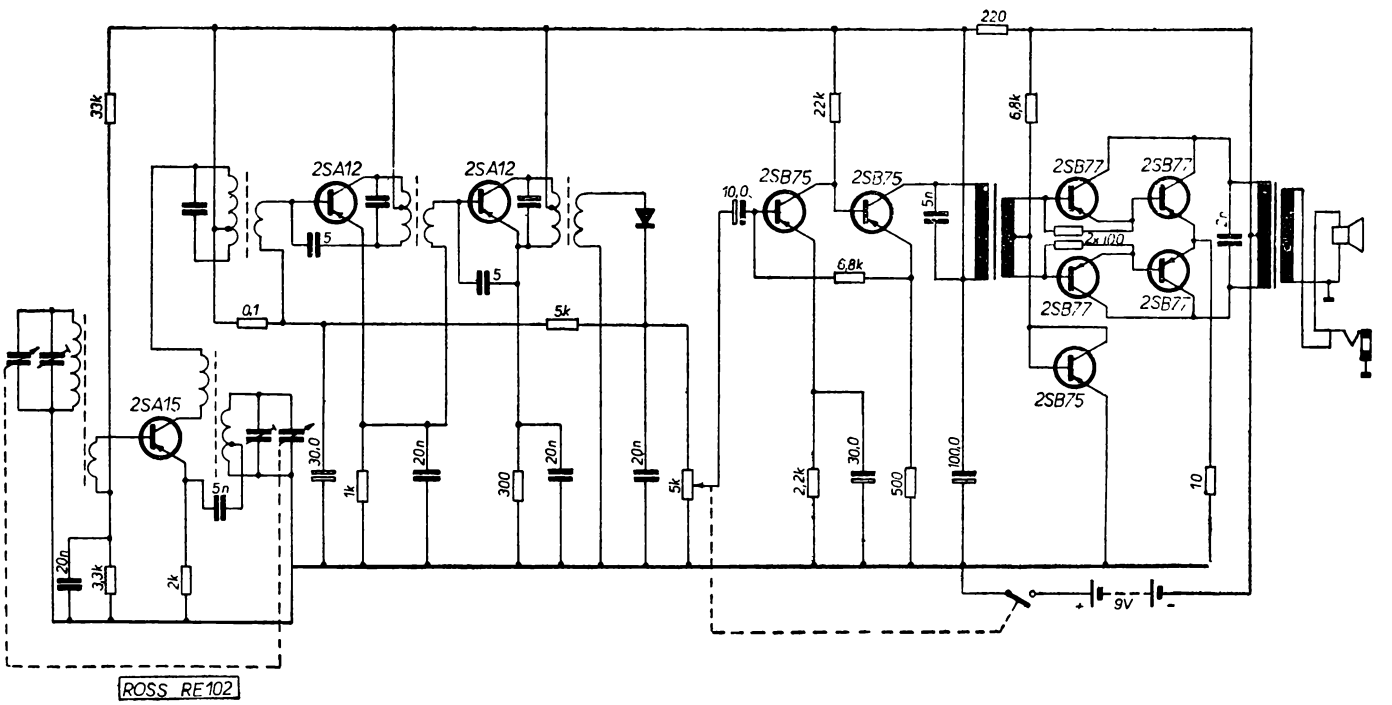
Обхват: СВ=535÷1605 кHz
КВ1 1,6÷4,5 MHz
КВ2 4,5÷12 MHz
КВ3 12÷24 MHz
МЧ=455 кHz



CROWN TR-124

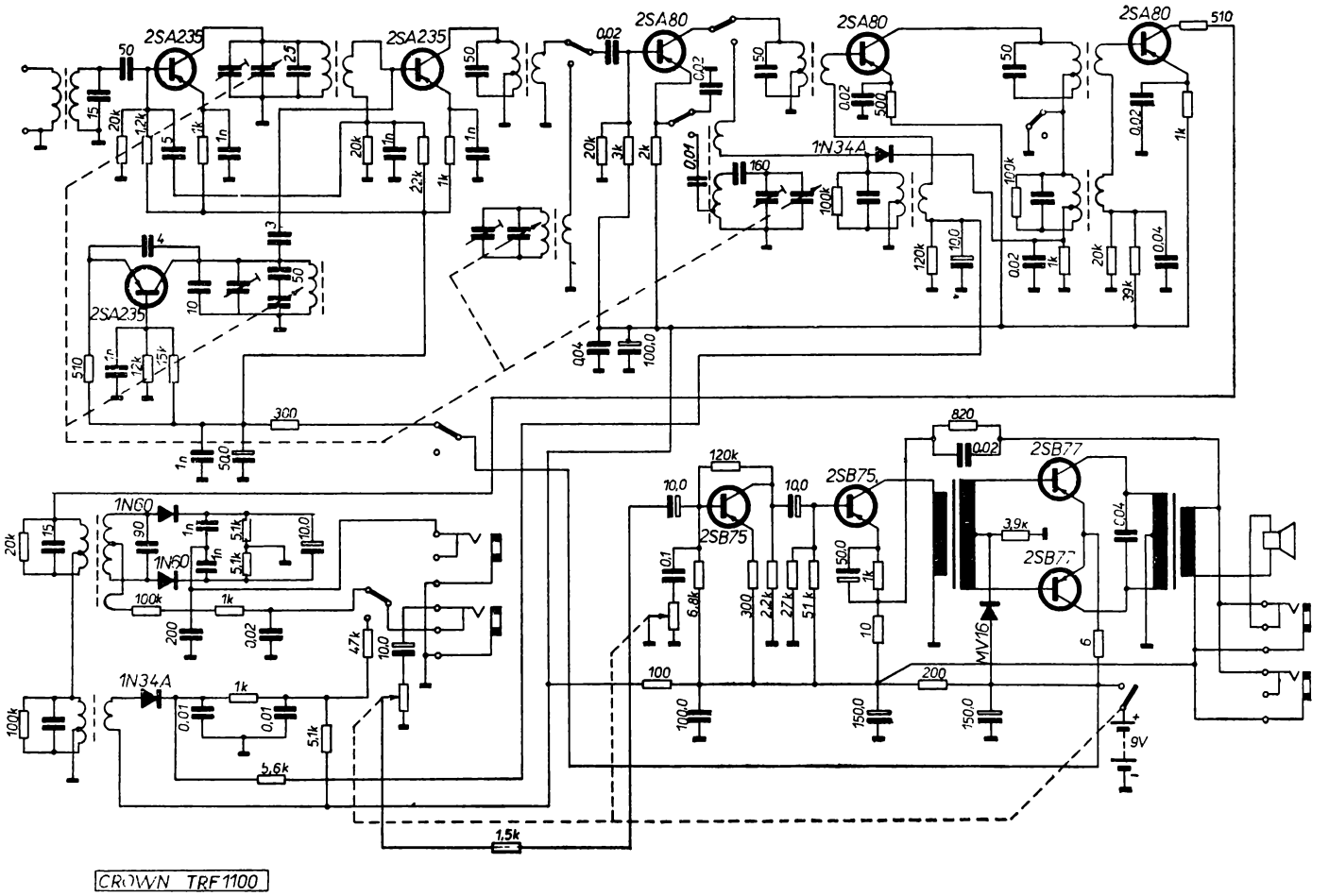
GRAND PRIX GP 901

Обхват: КВ, СВ
МЧ=455 кHz



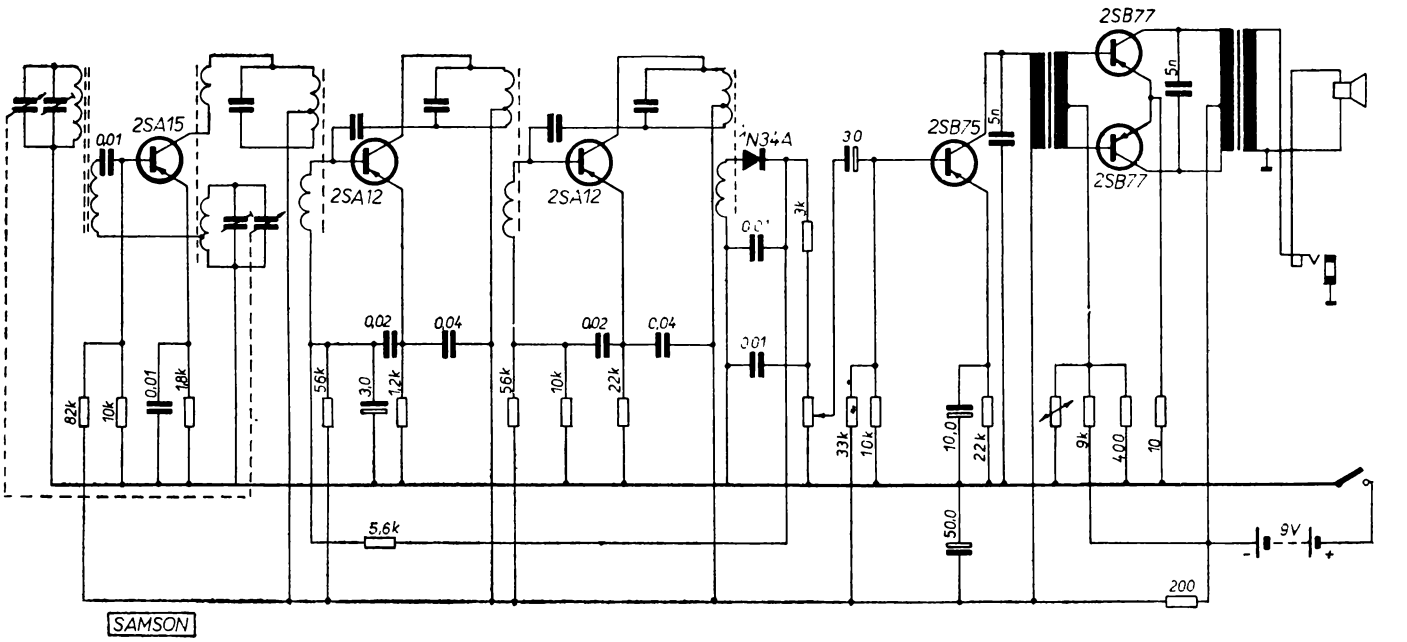
CROWN TRF **1100**

Обхват: УКВ 88÷108 MHz
СВ 353÷1605 кHz
МЧ=455 кHz



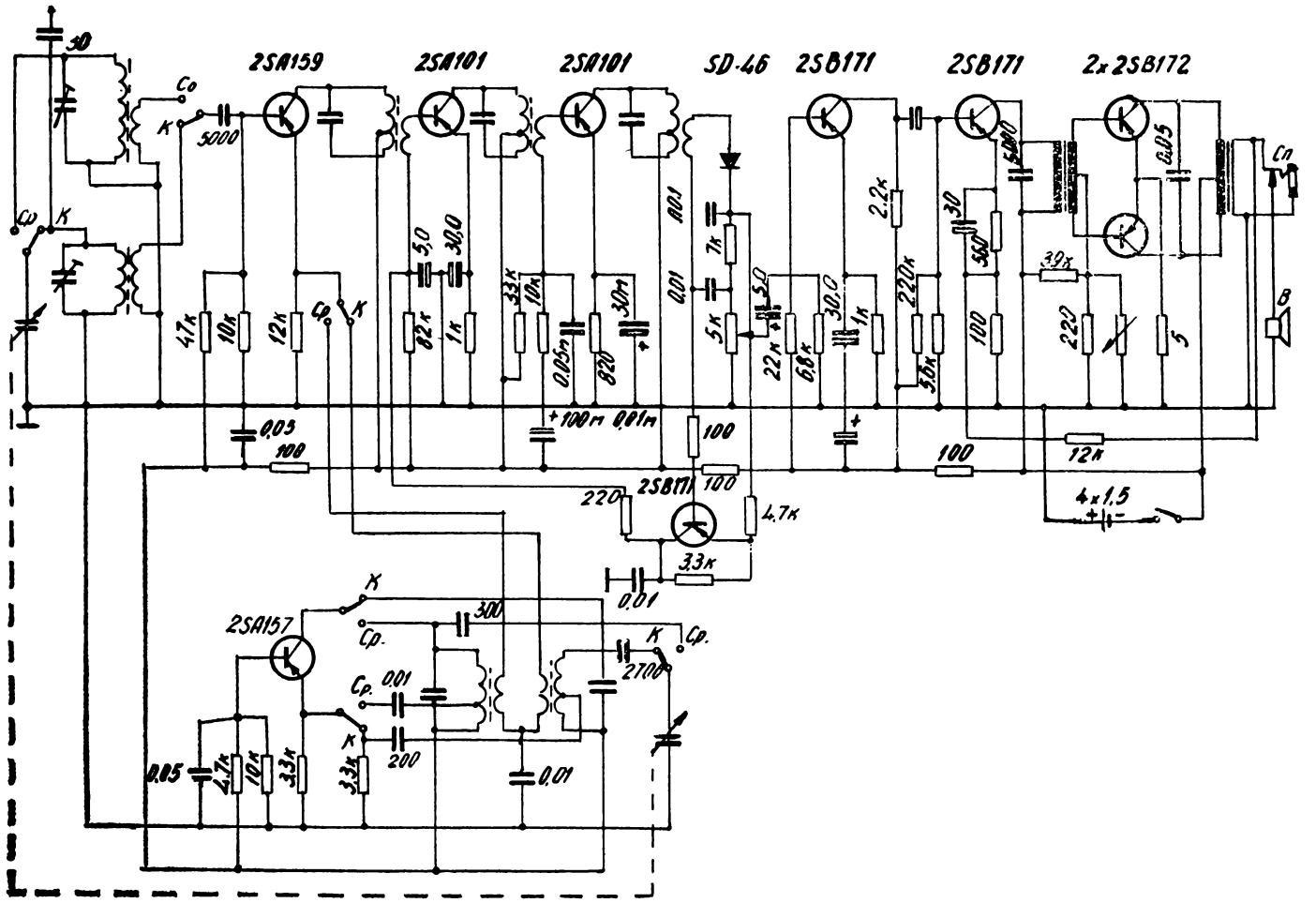
SAMSON

Обхват: 353 ÷ 1605 кHz
МЧ=455 кHz



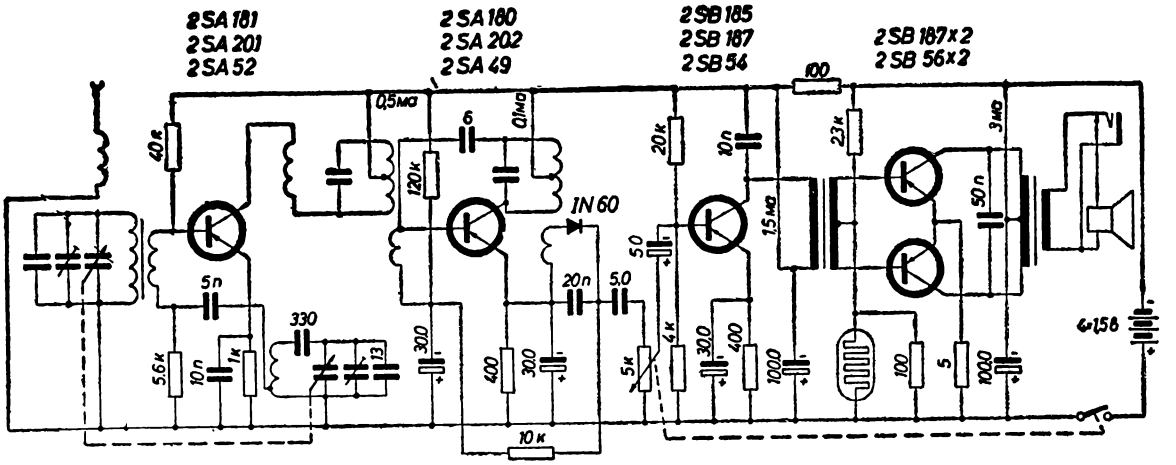
ROSS RE 102

Обхват: СВ, 535÷1605 kHz
МЧ=455 кHz



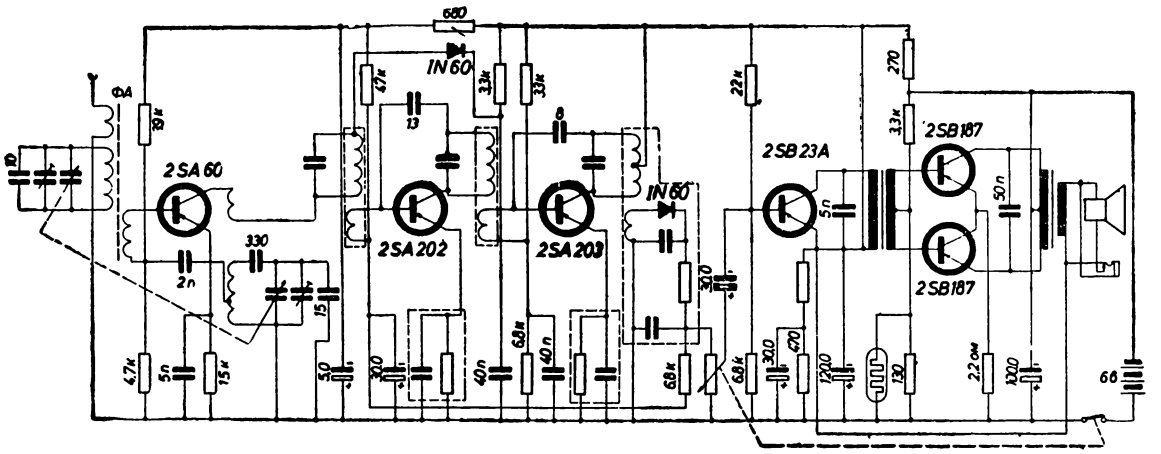
SANYO 5C-01

Обхват: СВ МЧ=455 кHz



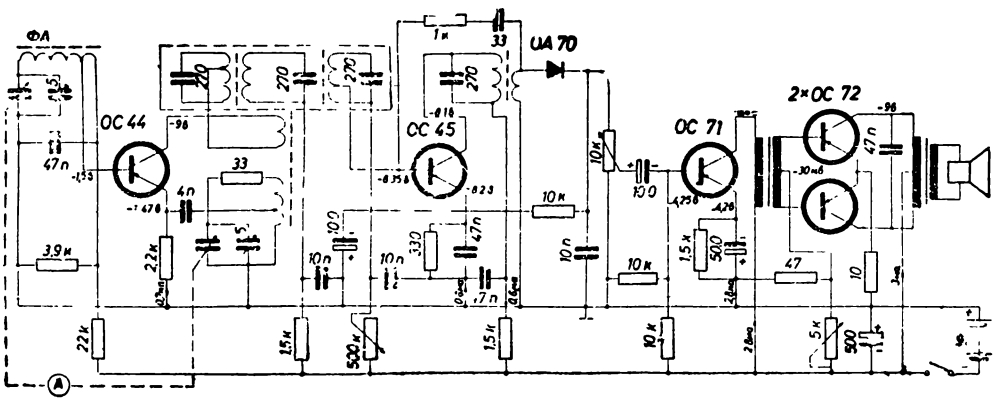
SANYO 6C — T27

Обхват: СВ
МЧ=455 кHz



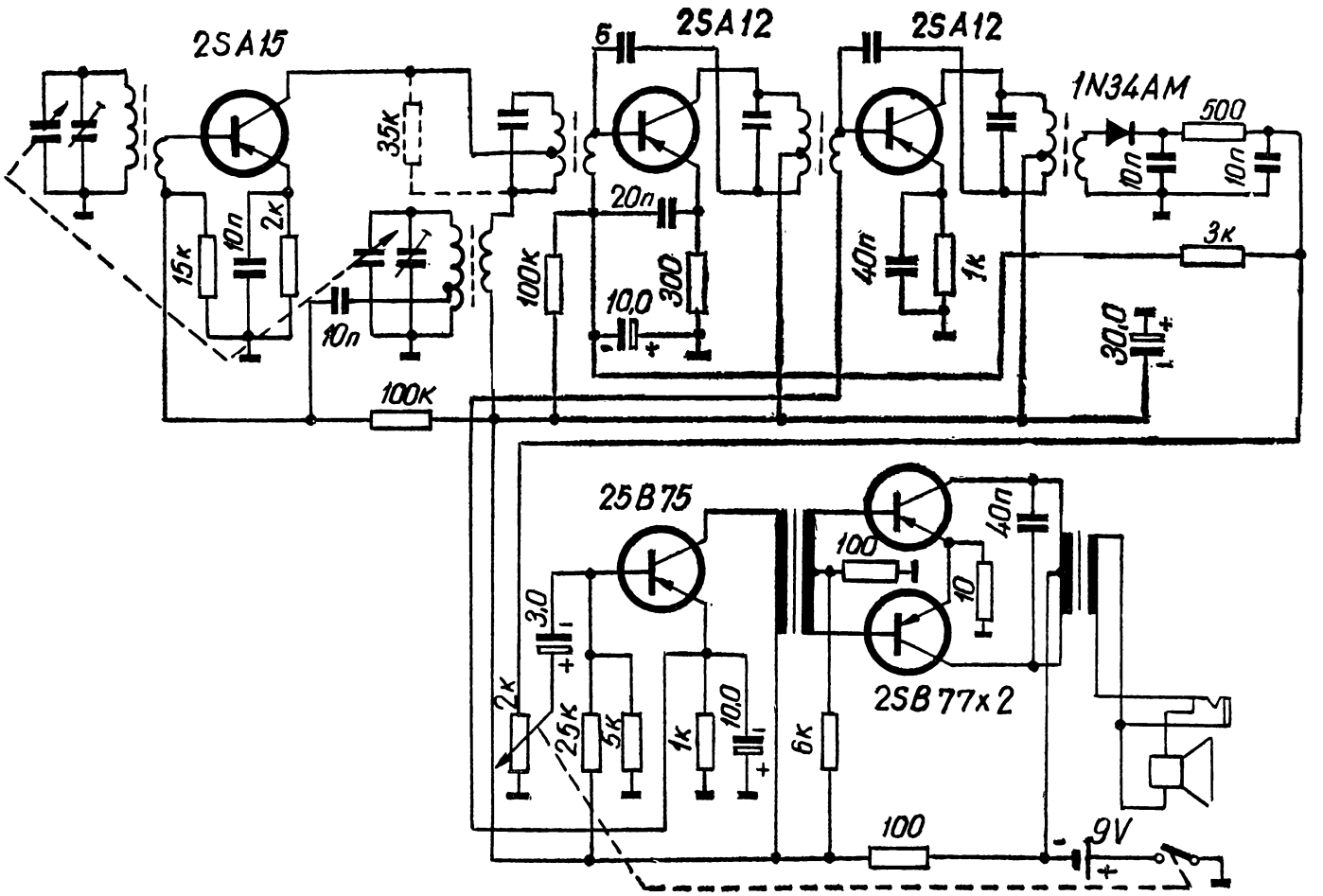
SANYO 6C—32

Обхват: СВ
МЧ=455 кHz



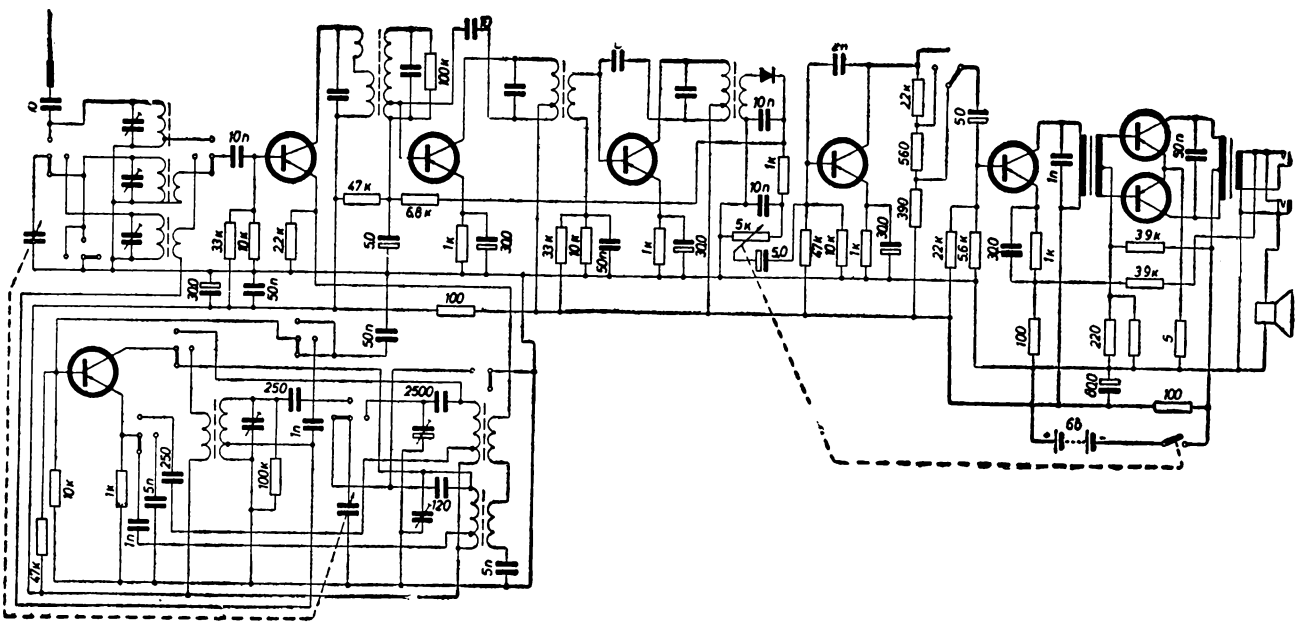
SILVER 6TR 320

Обхват: СВ
МЧ=455 кНz



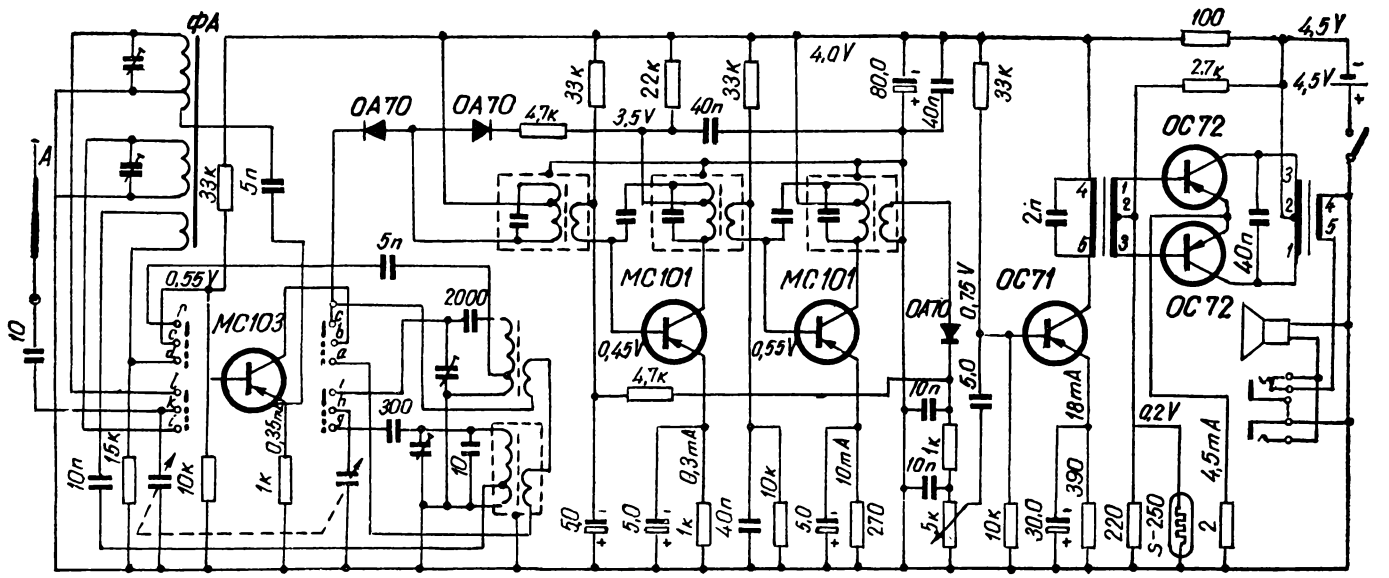
STANDART SPH 105 L

Обхват: КВ СВ ДВ
МЧ=455 кНz



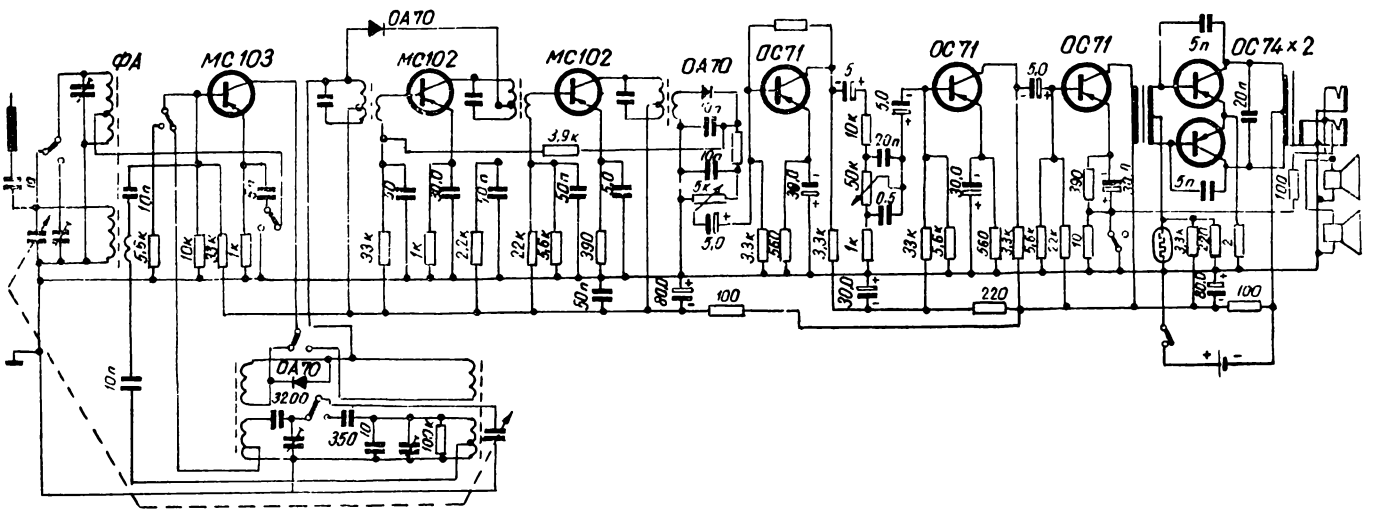
STANDART SRF 205
SRF 205 L

Обхват при SRF205 КВ,СВ
при SRF205L СВ,ДВ
МЧ=455 кHz



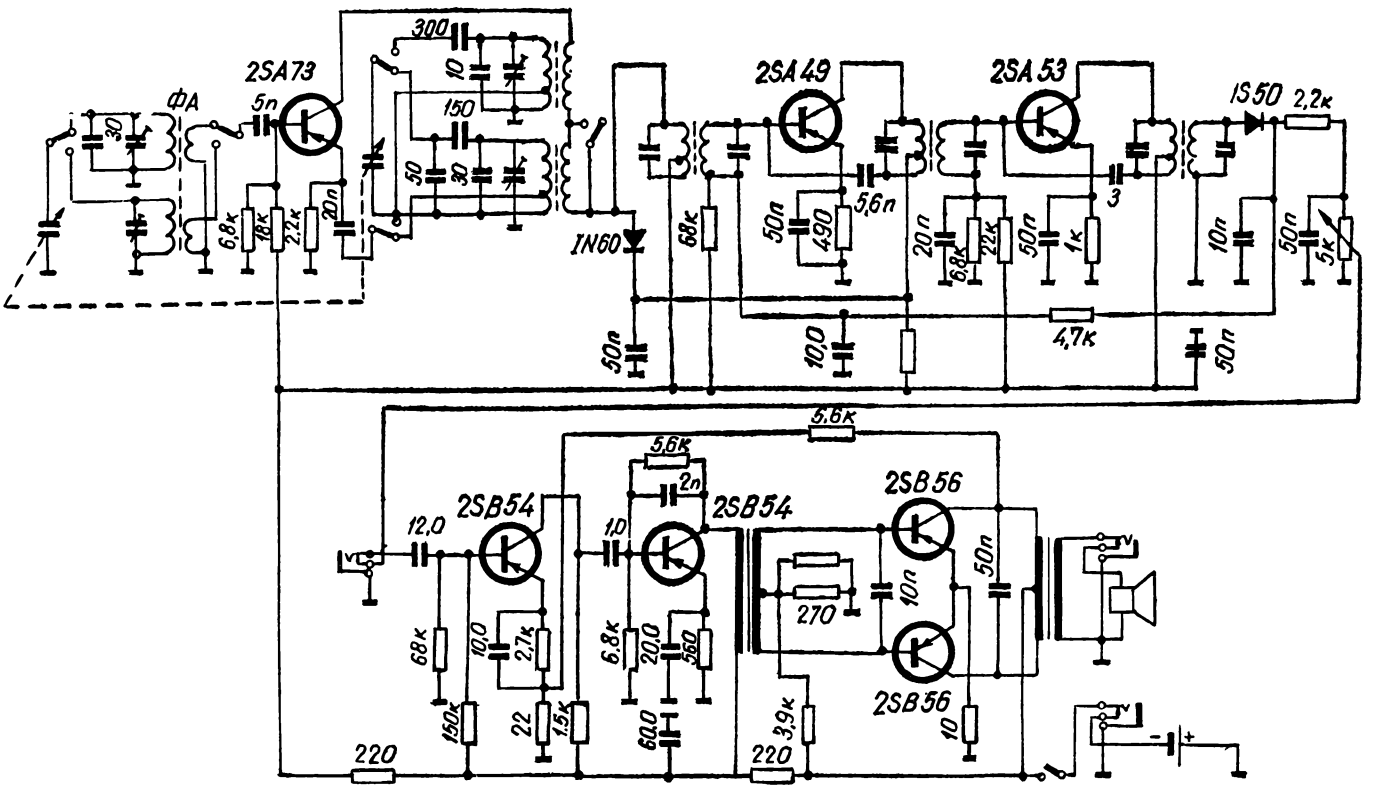
STANDART SRH 501
SRH 501 L

Обхват: при SRH501 КВ,СВ
при SRH501 L СВ, ДВ
МЧ=455 кHz

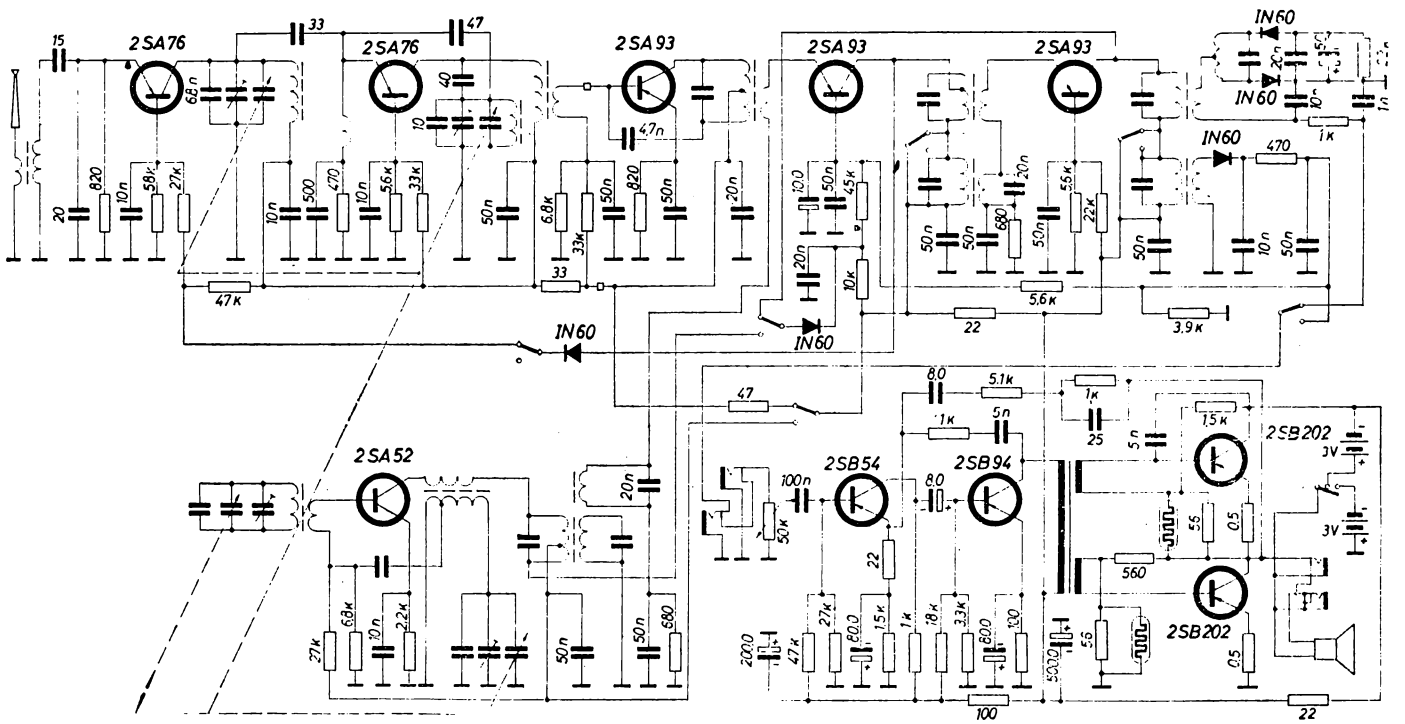


TOCHIBA 7 TR 440L

Обхват: СВ, ДВ
МЧ=455 кHz

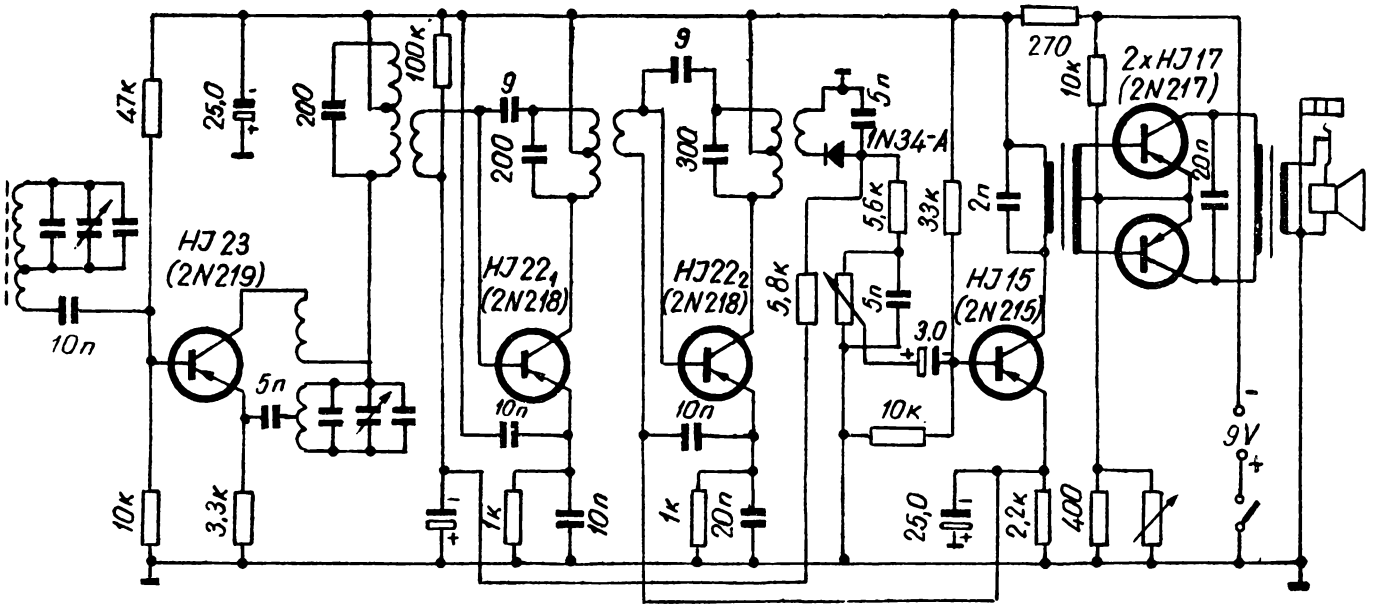


TOCHIBA 10TL429F



HITACHI TH 660

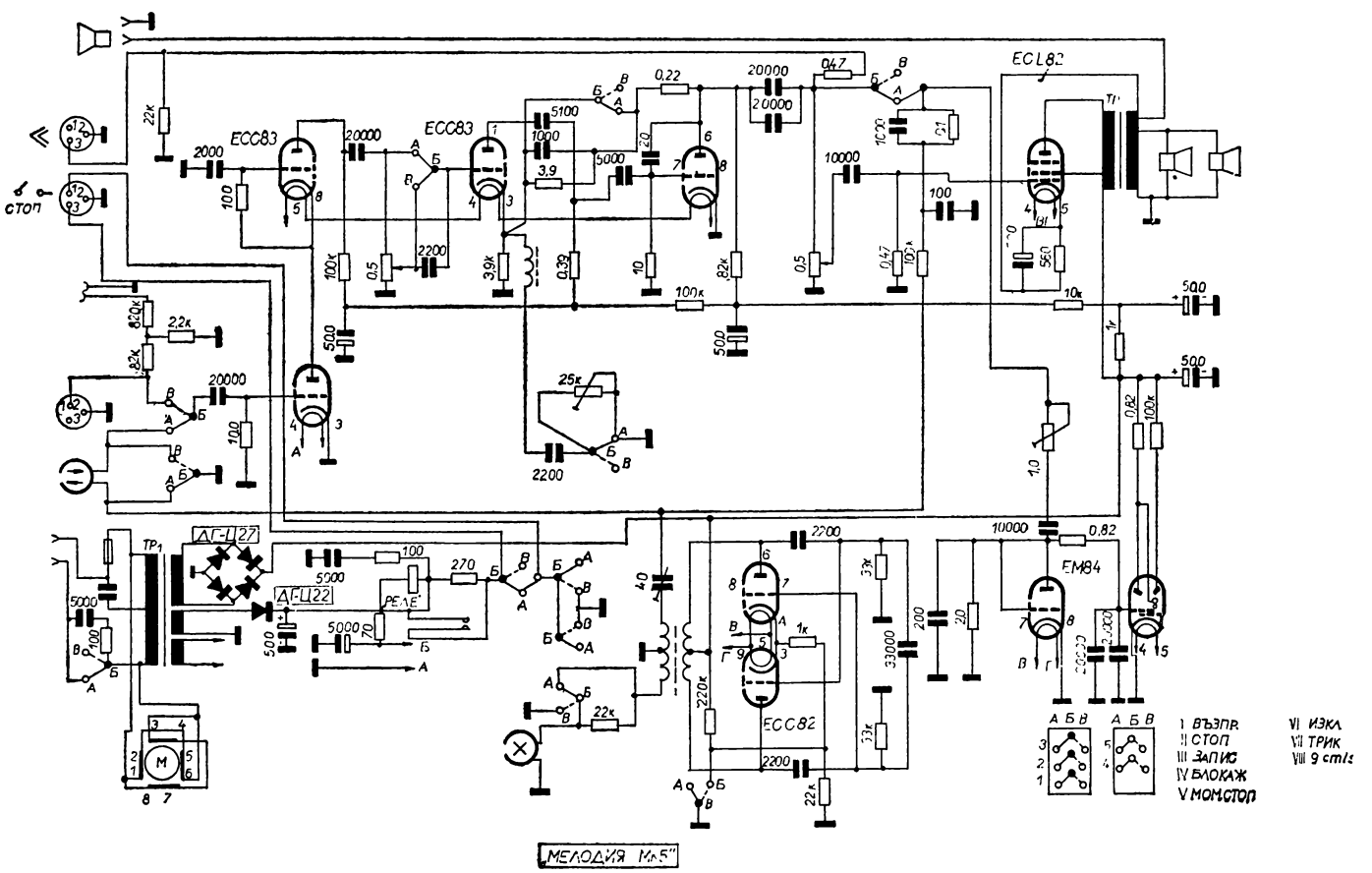
Обхват: СВ
МЧ=455 кHz



ЧАСТ II

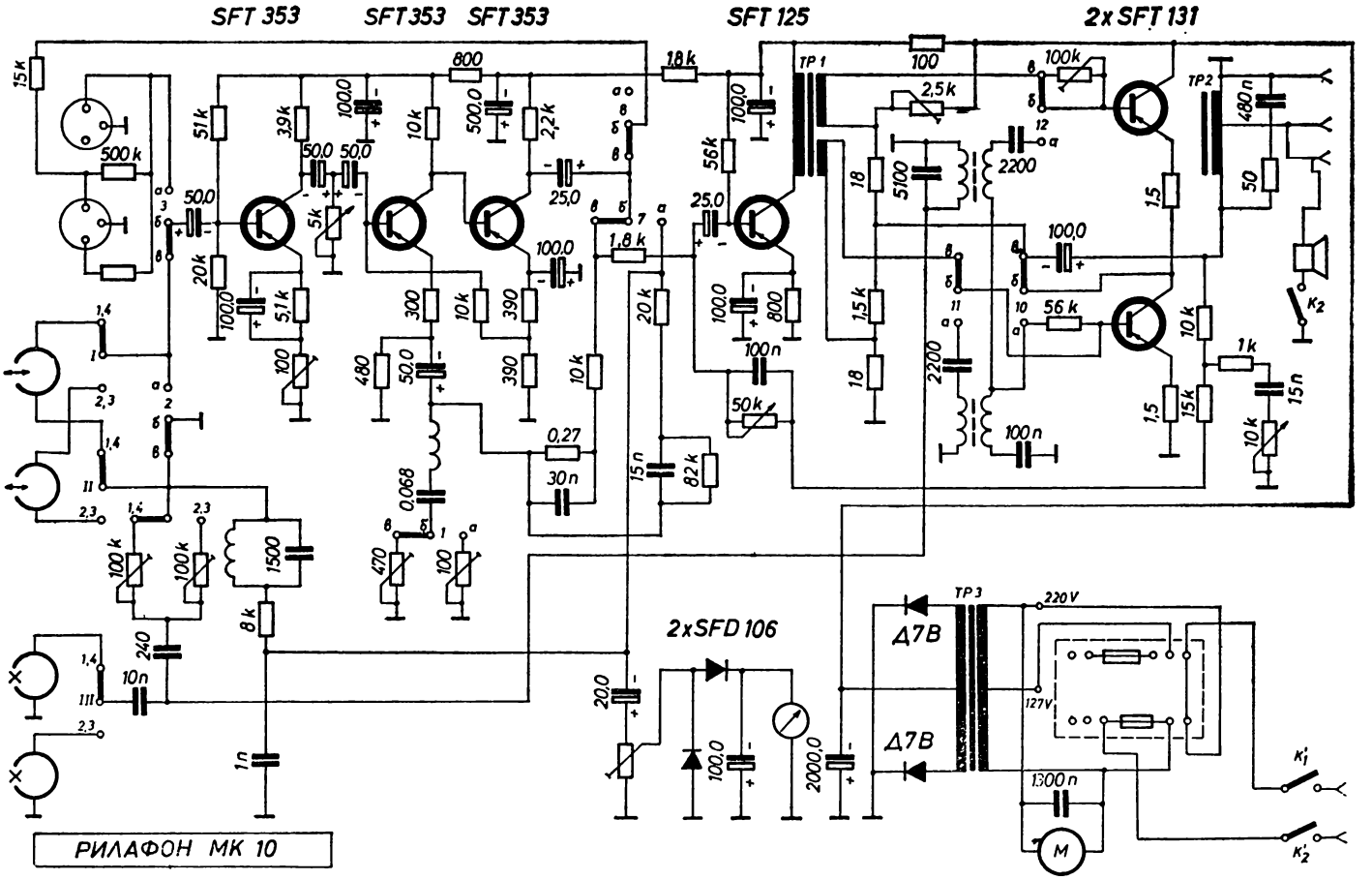
МАГНЕТОФОНИ

МЕЛОДИЯ МК 5

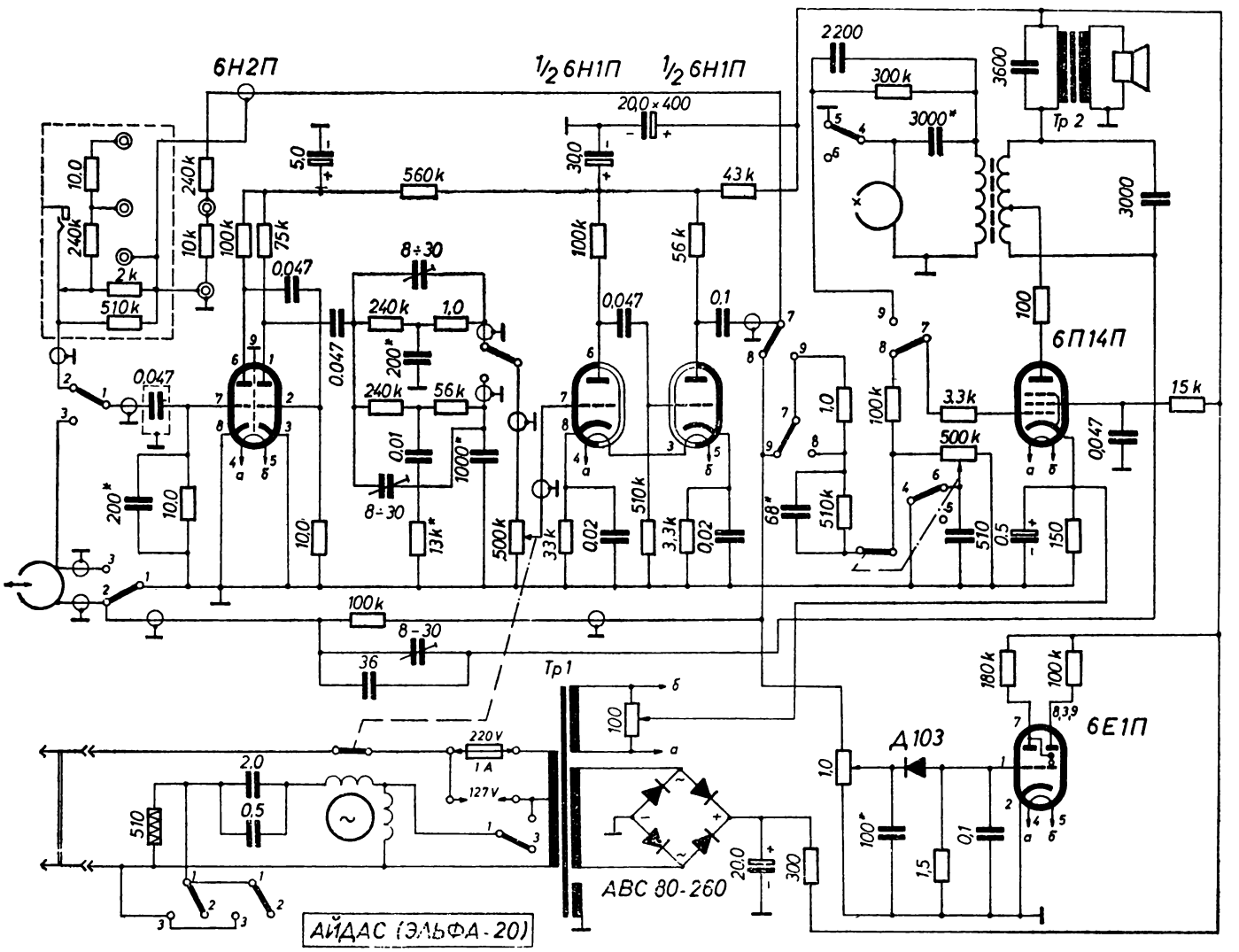

ECC83
ECC83
ECL82
ECC82
EM84
ДГ-Ц27
ДГ-Ц22
РЕЛЕ
TP1
стоп
25к
2200
I ВЪЗПР.
II СТОП
III ЗАПИС
IV БЛОКАЖ
V МОМ.СТОП
VI ИЗКЛ
VII ТРИК
VIII 9 cm/s
МЕЛОДИЯ МК5"

РИЛАФОН МК 10

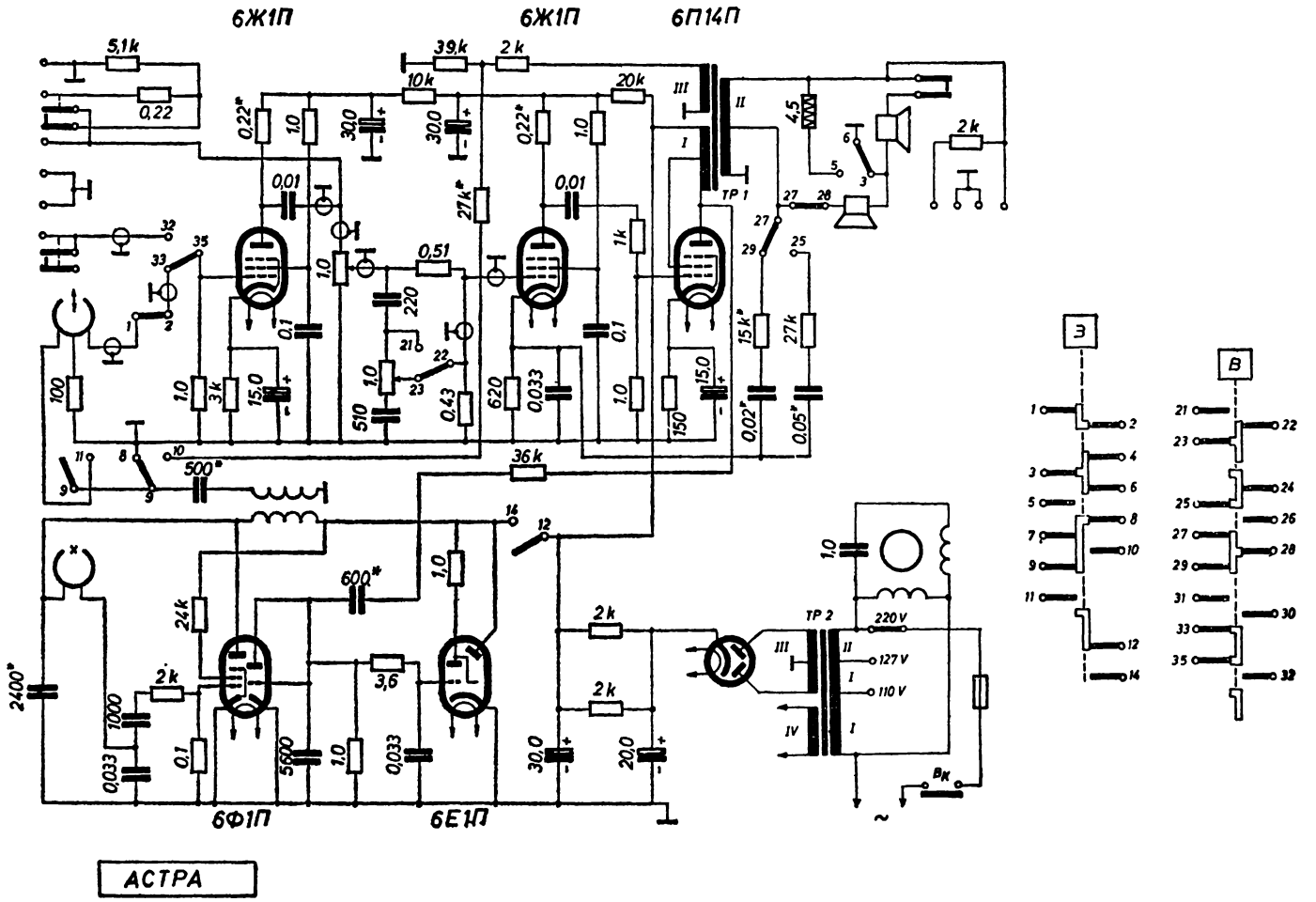
Четирипистов: 9,5 cm/s;
Честотна лента: 50÷12500 Hz
Захранване от мрежа
Тегло 8 kg



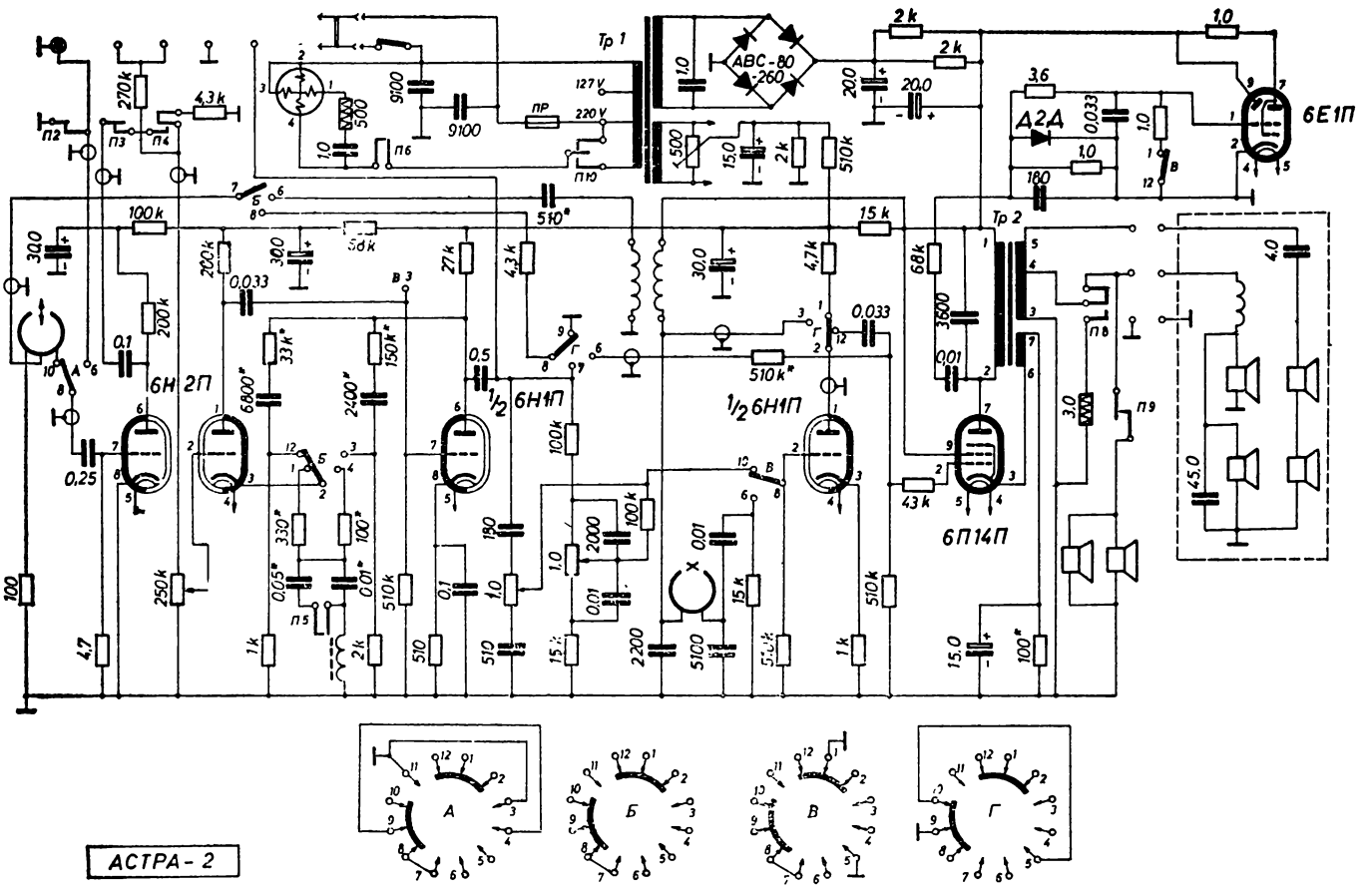
АЙДАС (ЭЛЬФА 20)



АСТРА

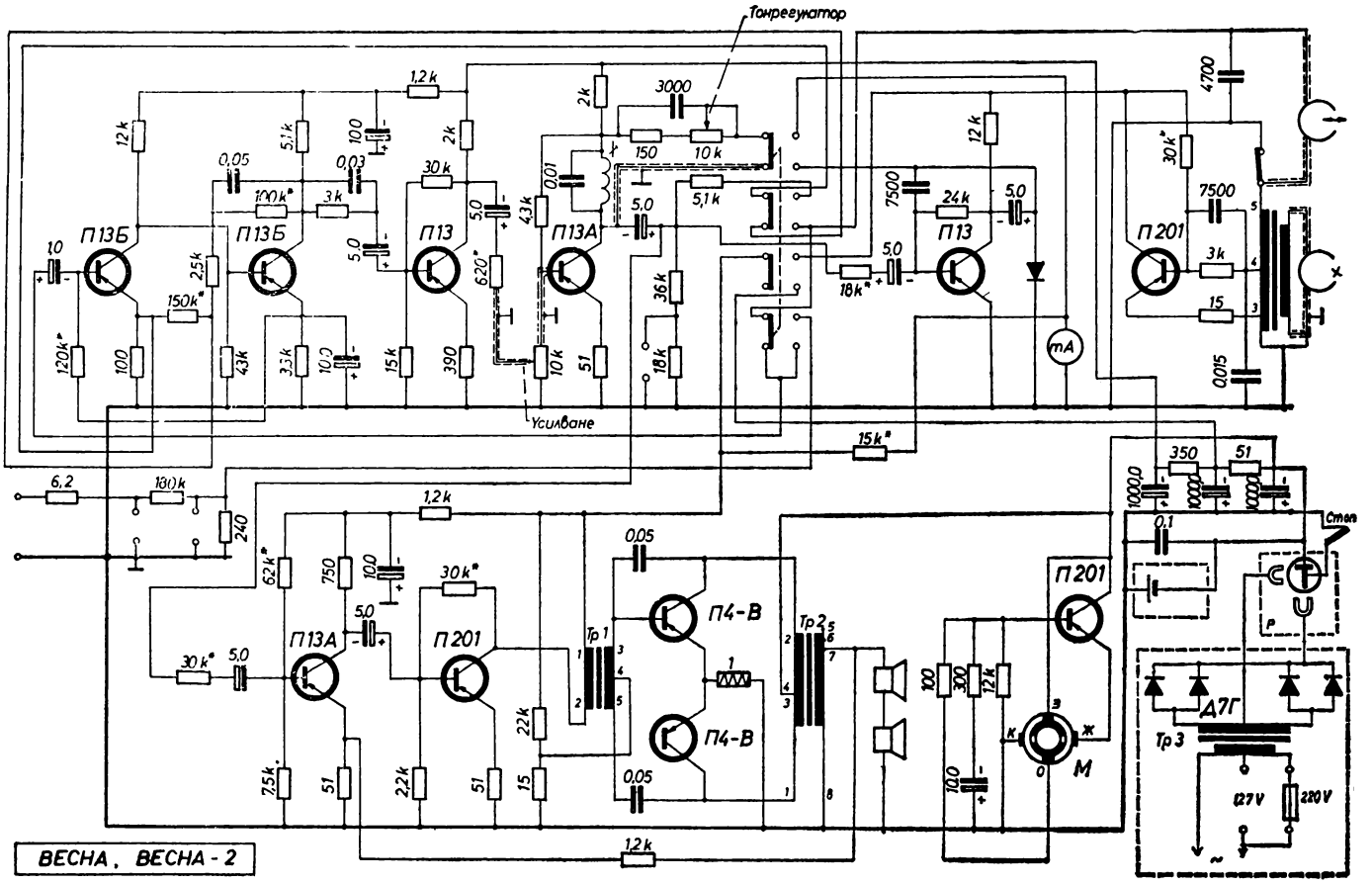


АССРА-2

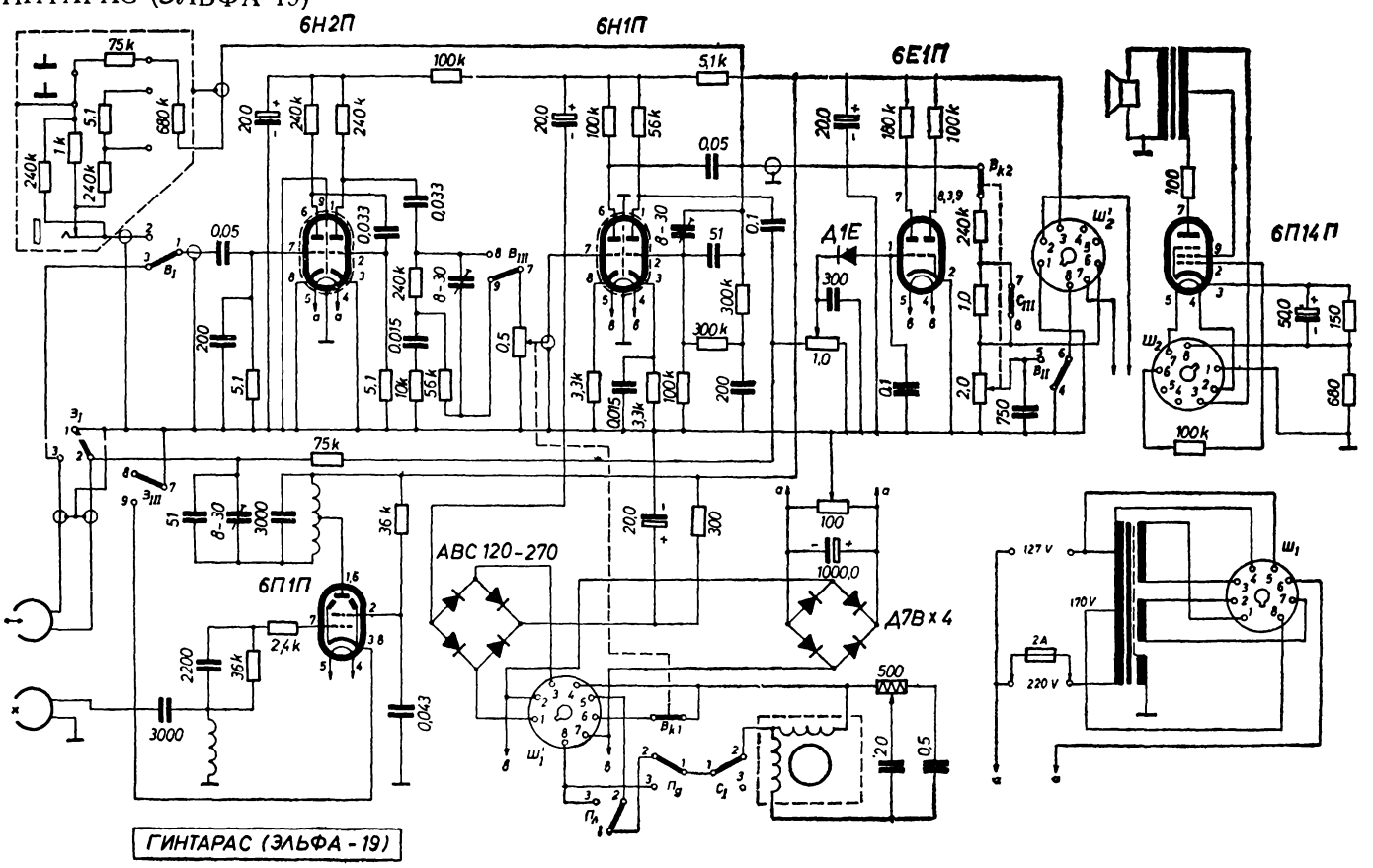


ВЕСНА, ВЕСНА-2

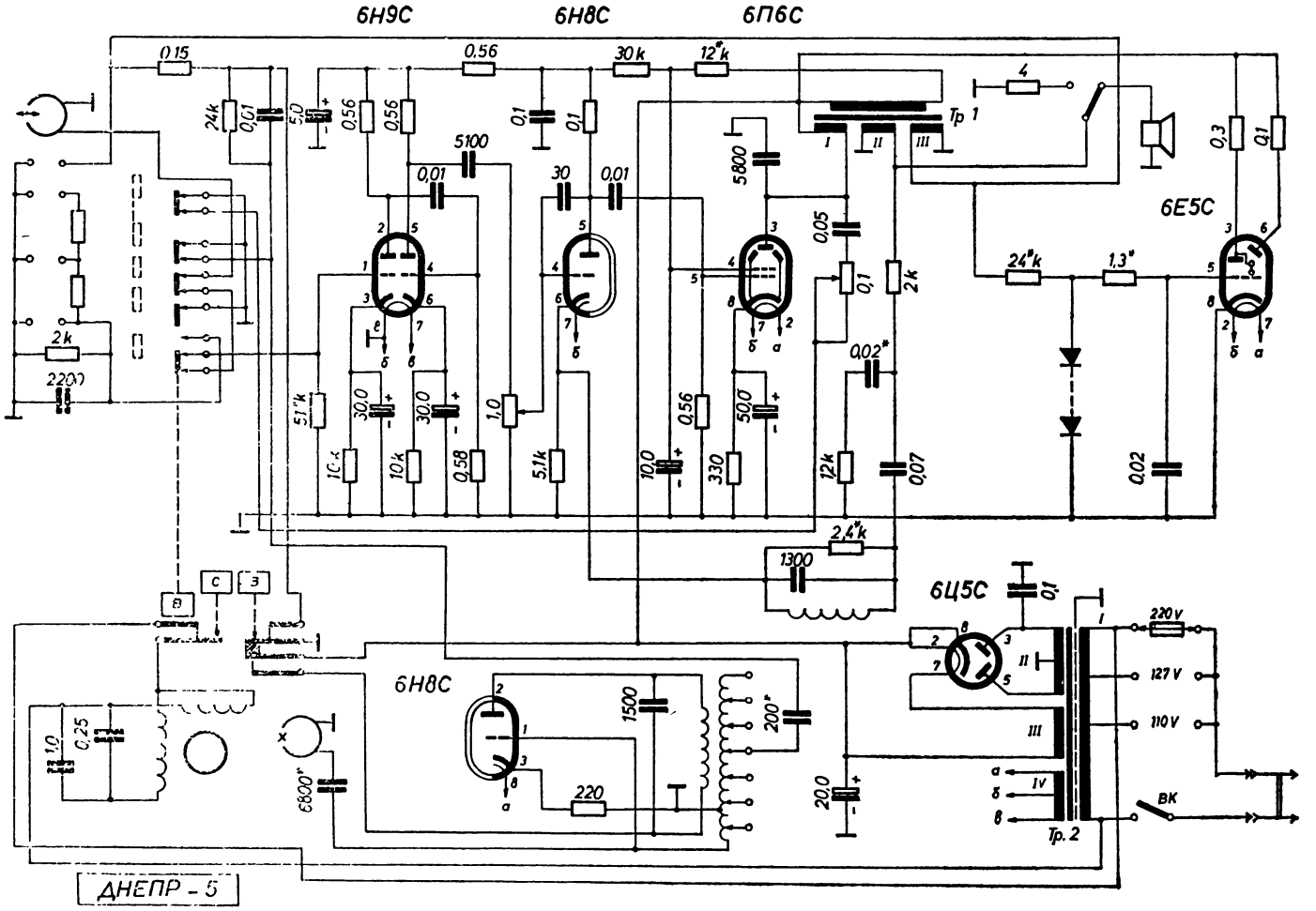
Двупистов; 9,5 cm/s; Честотна лента
100÷6000 Hz
Захранване от мрежа и батерия
Тегло 5,5 kg



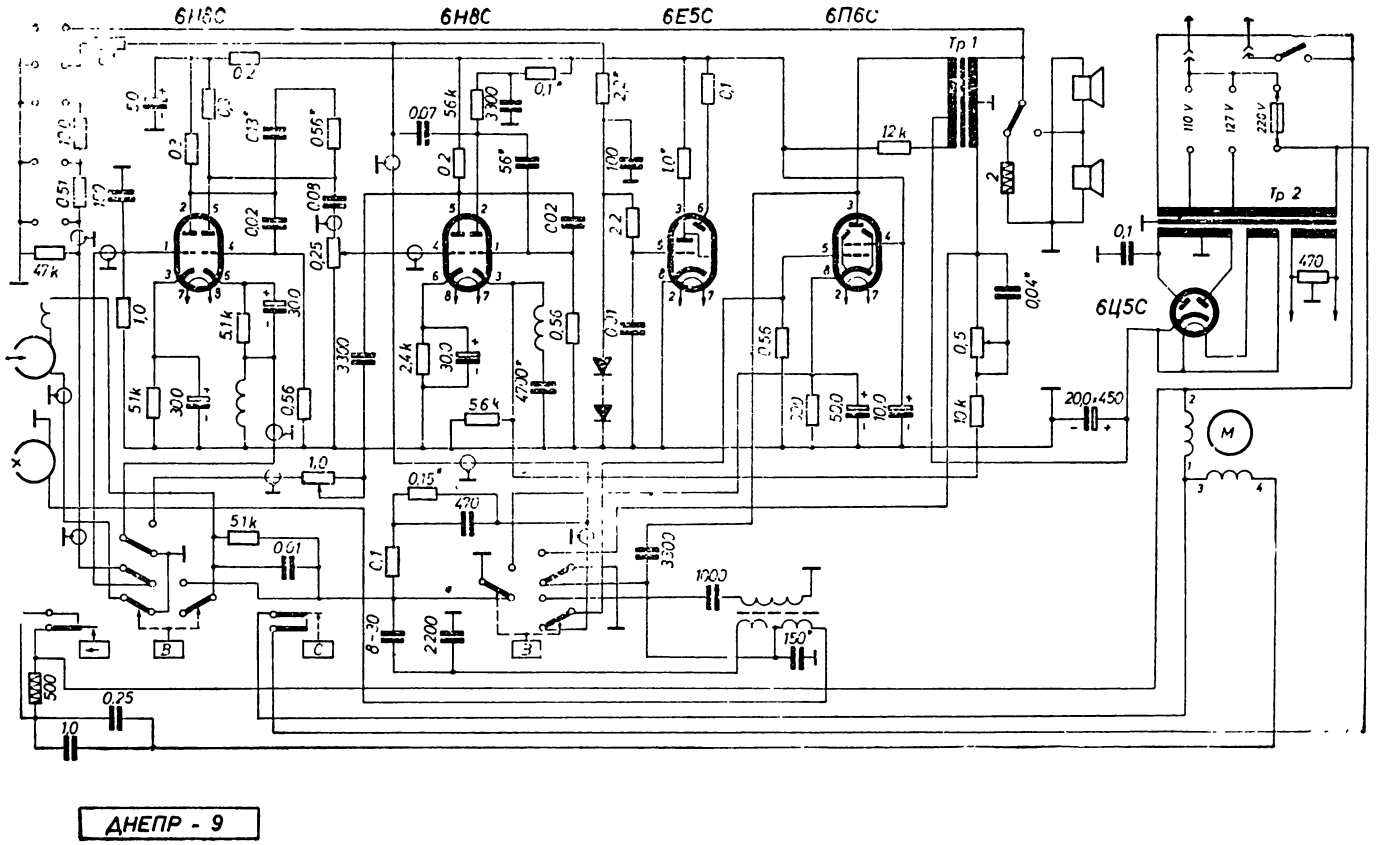
ГИНТАРАС (ЭЛЬФА 19)



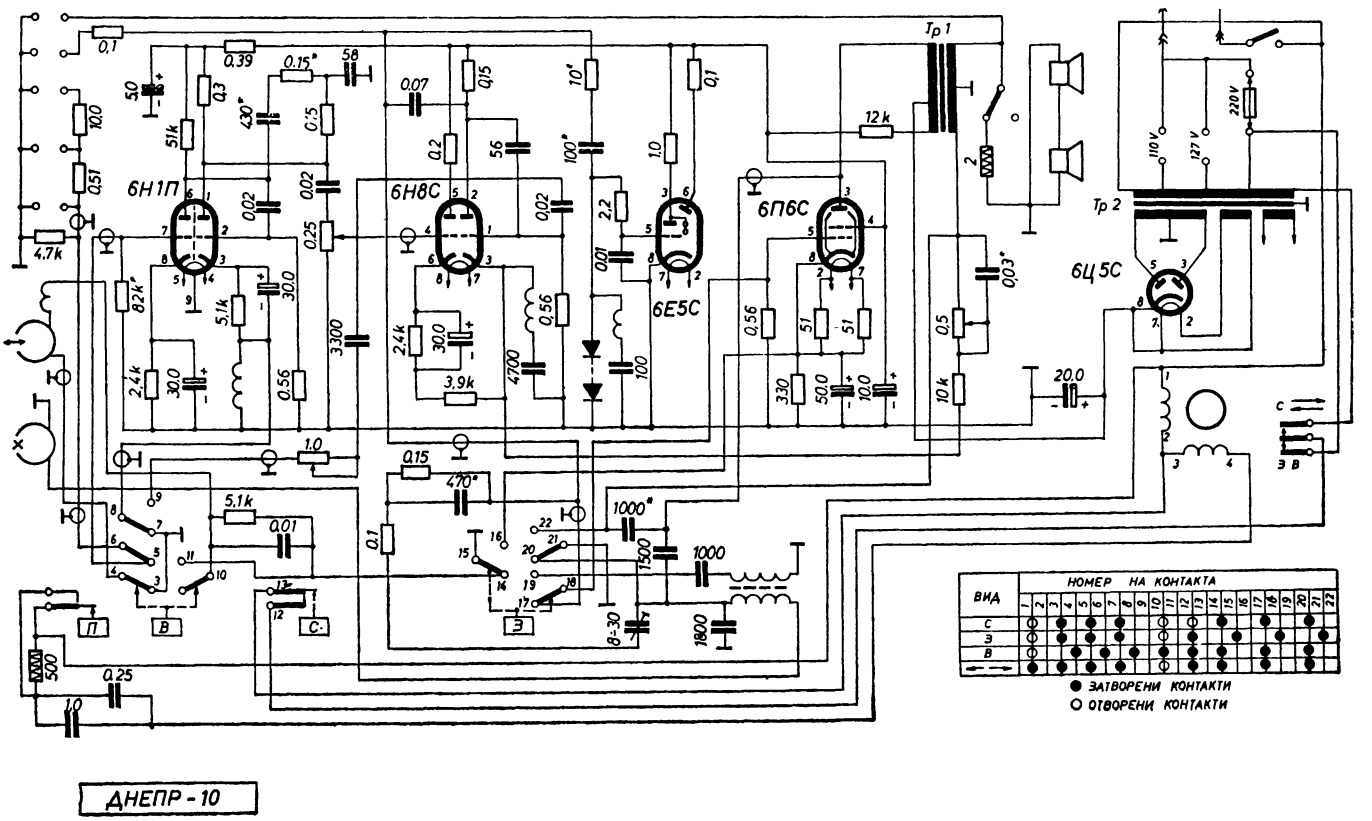
ДНЕПР 5



ДНЕПР 9

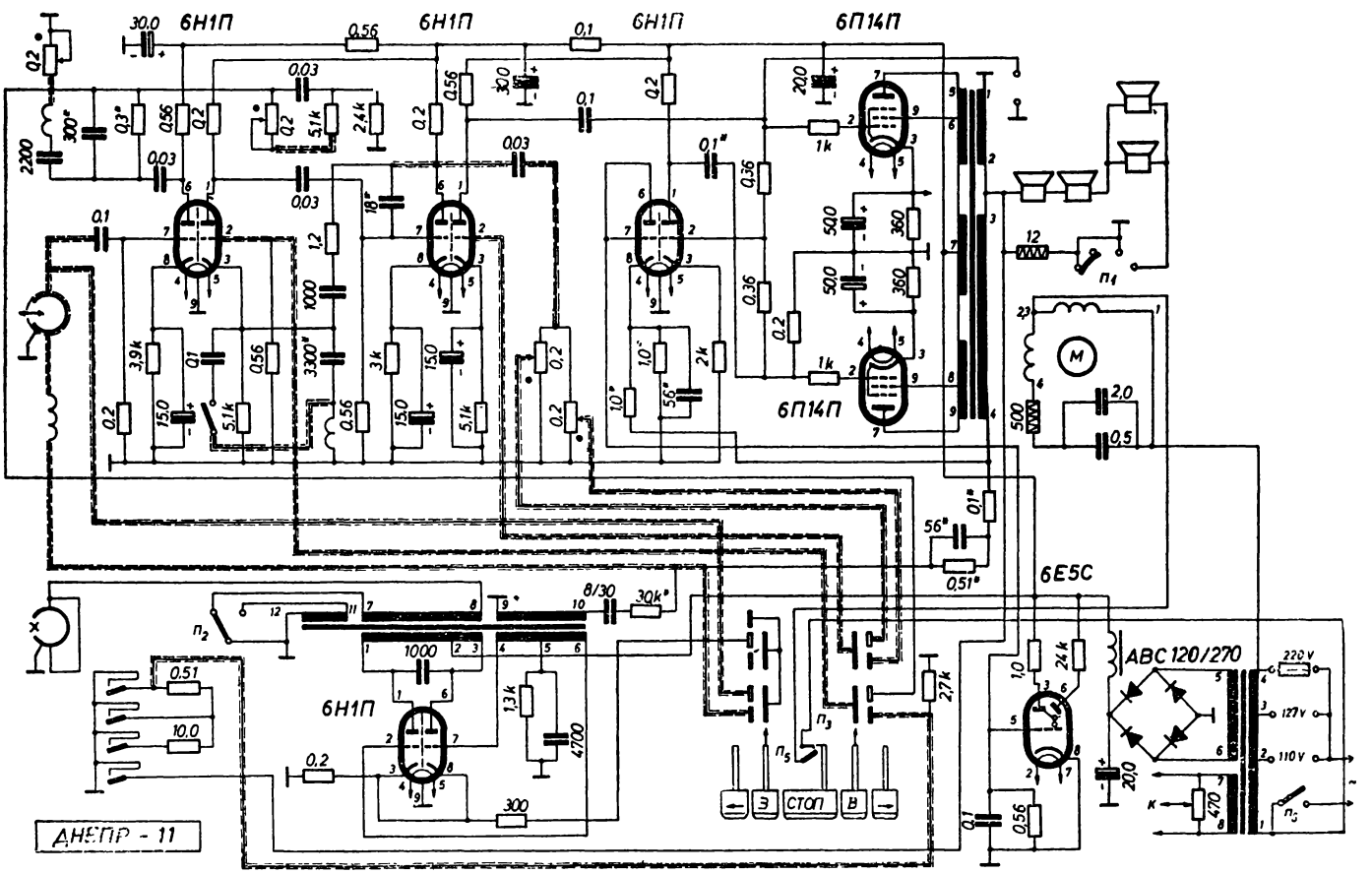


ДНЕПР 10

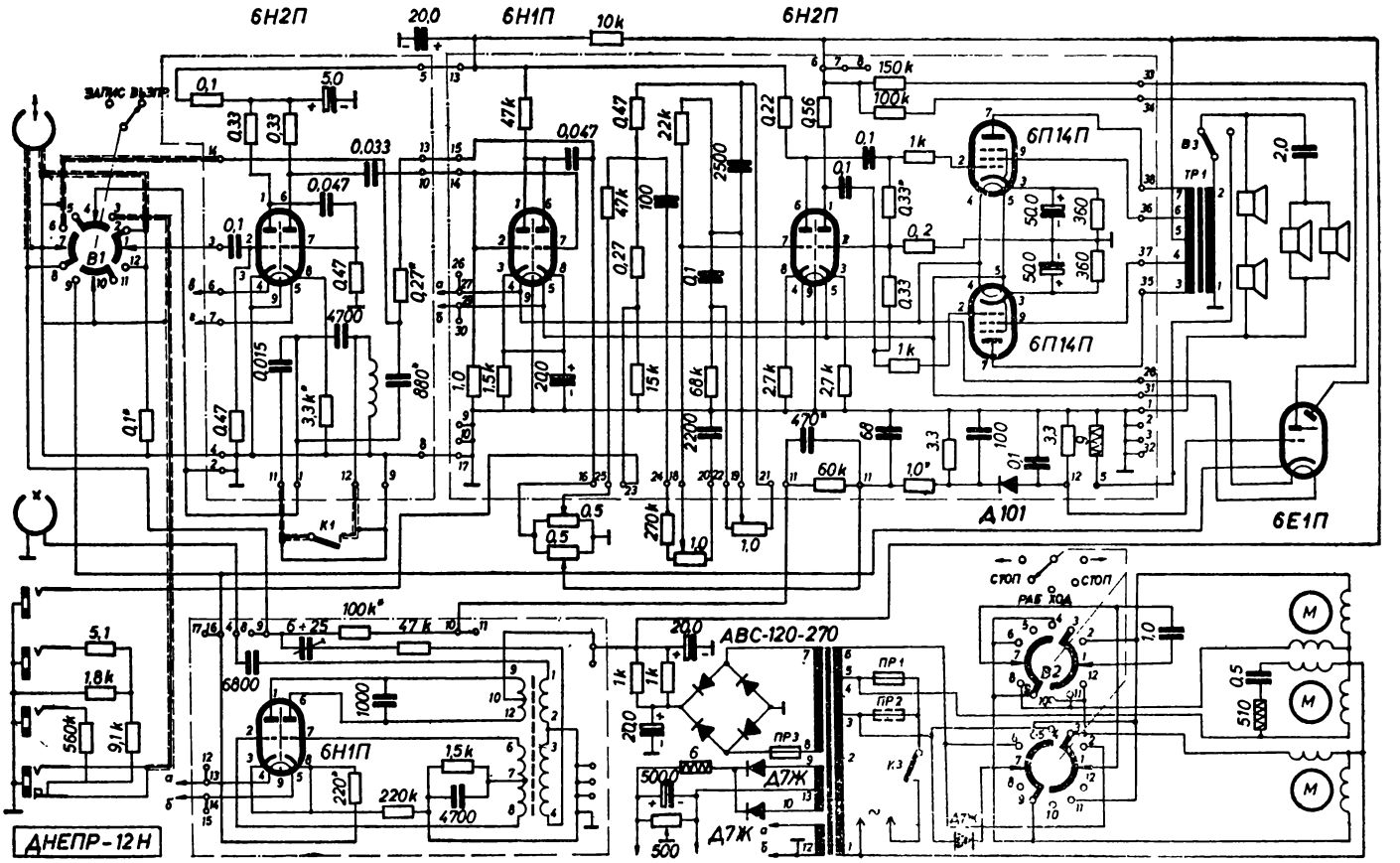


ДНЕПР - 10

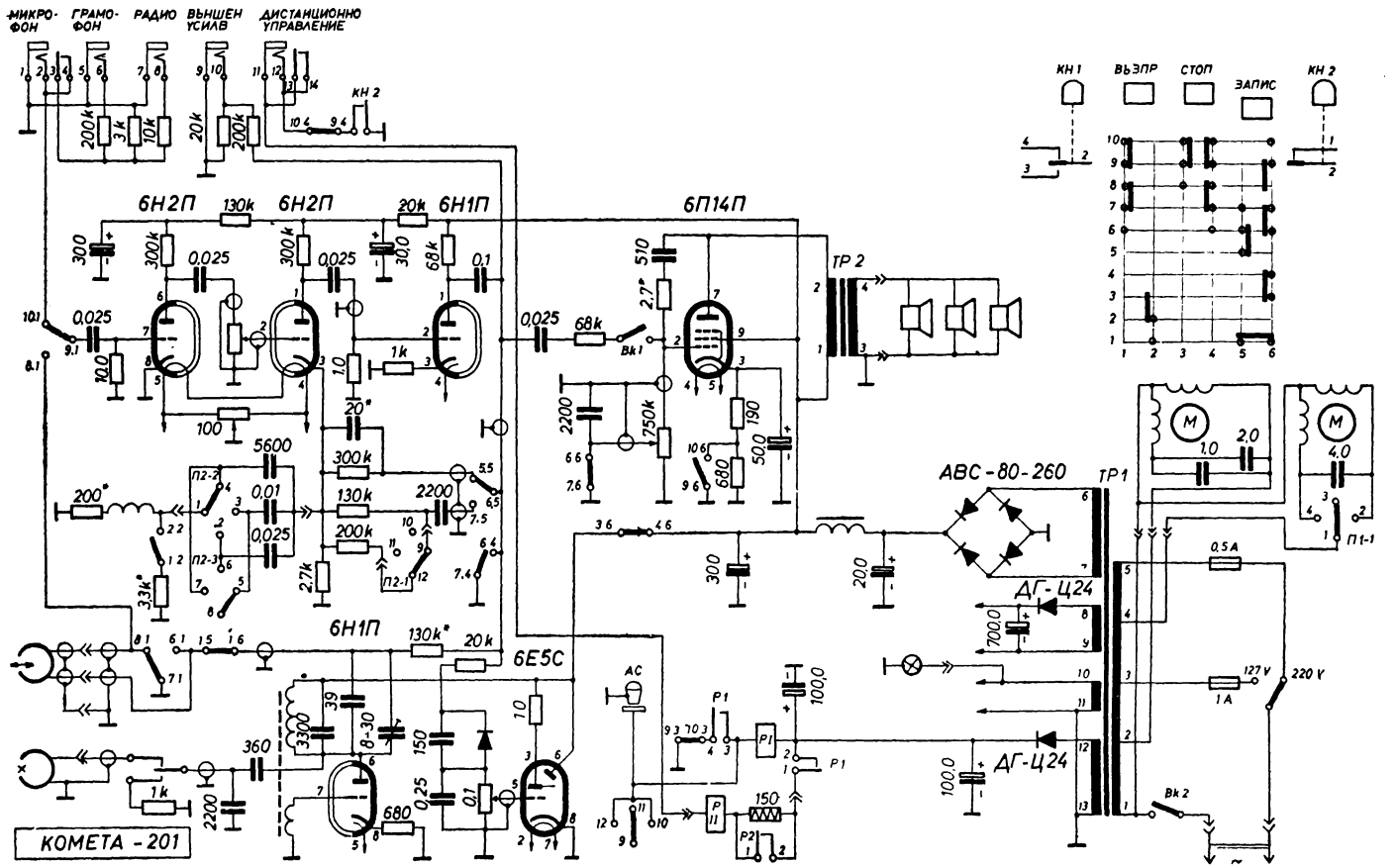
ДНЕПР 11

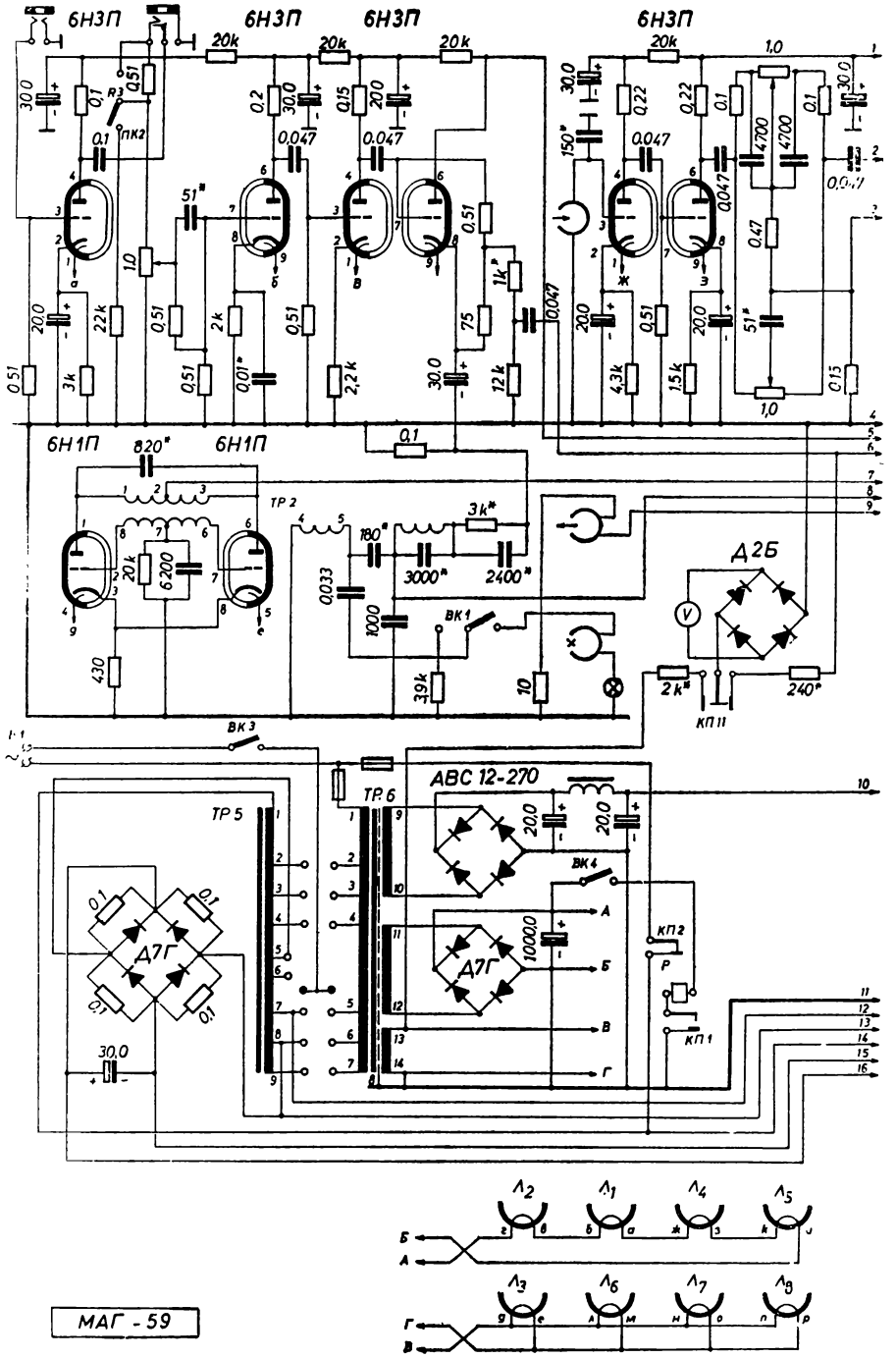


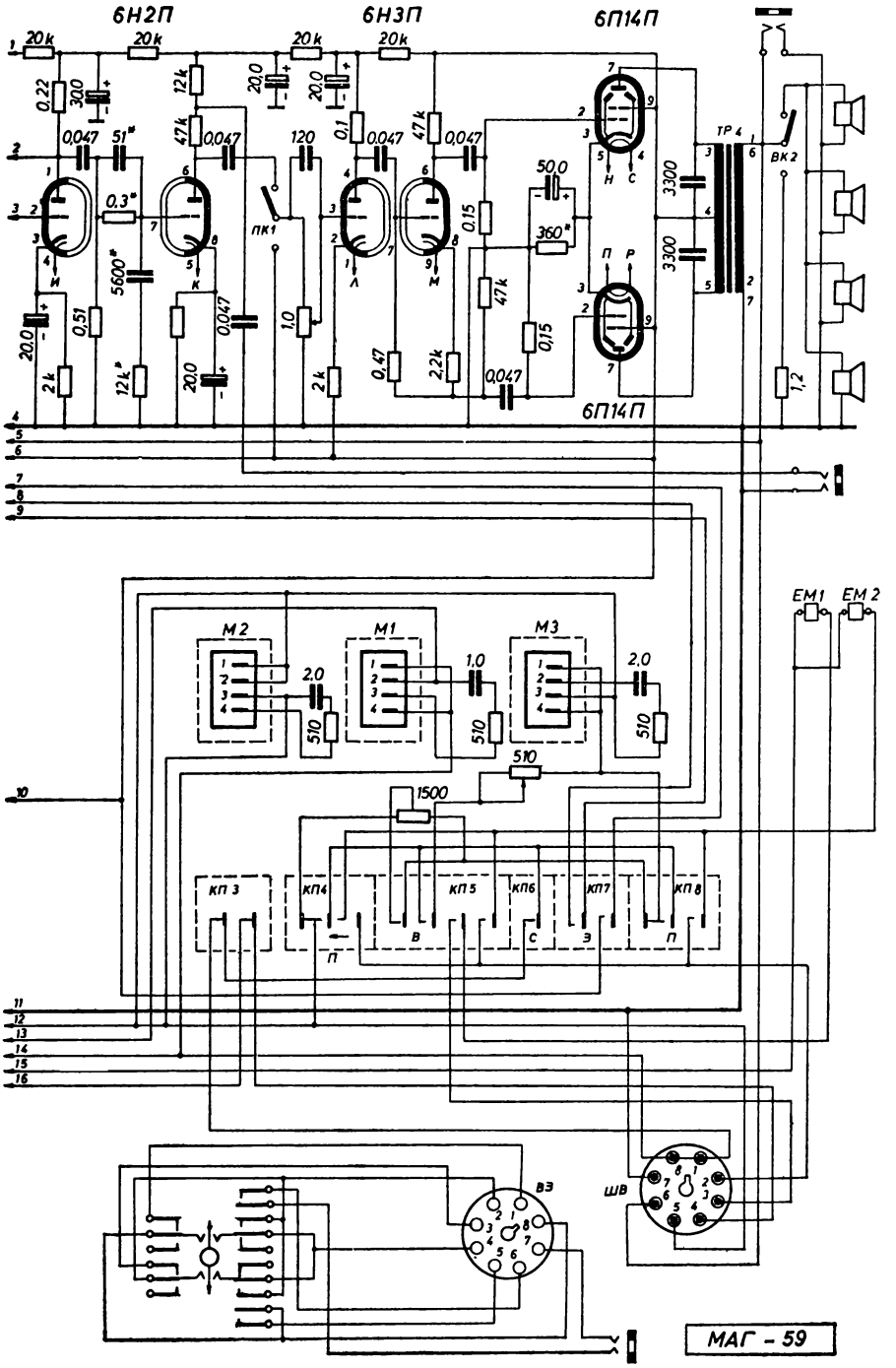
ДНЕПР 12Н

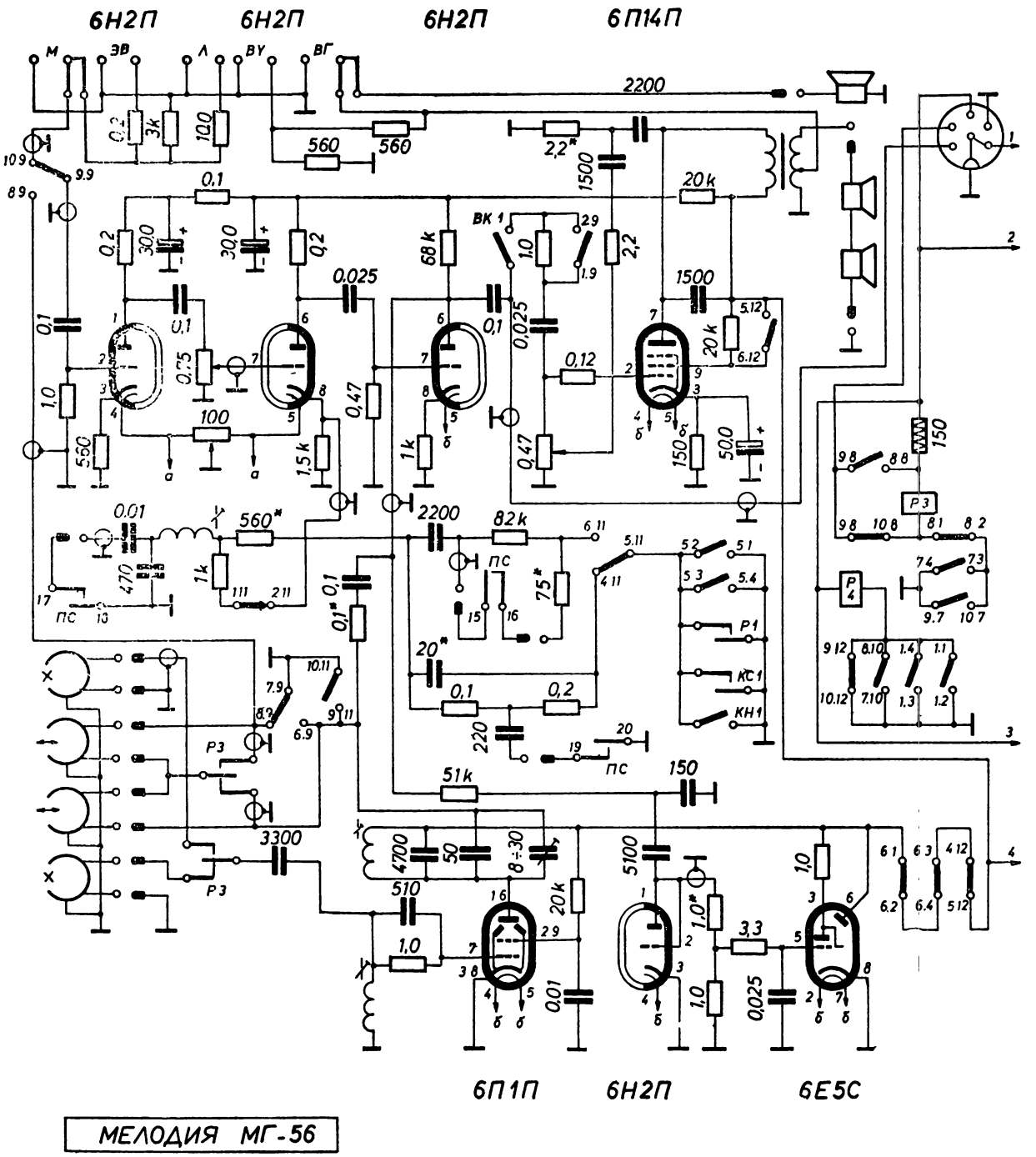


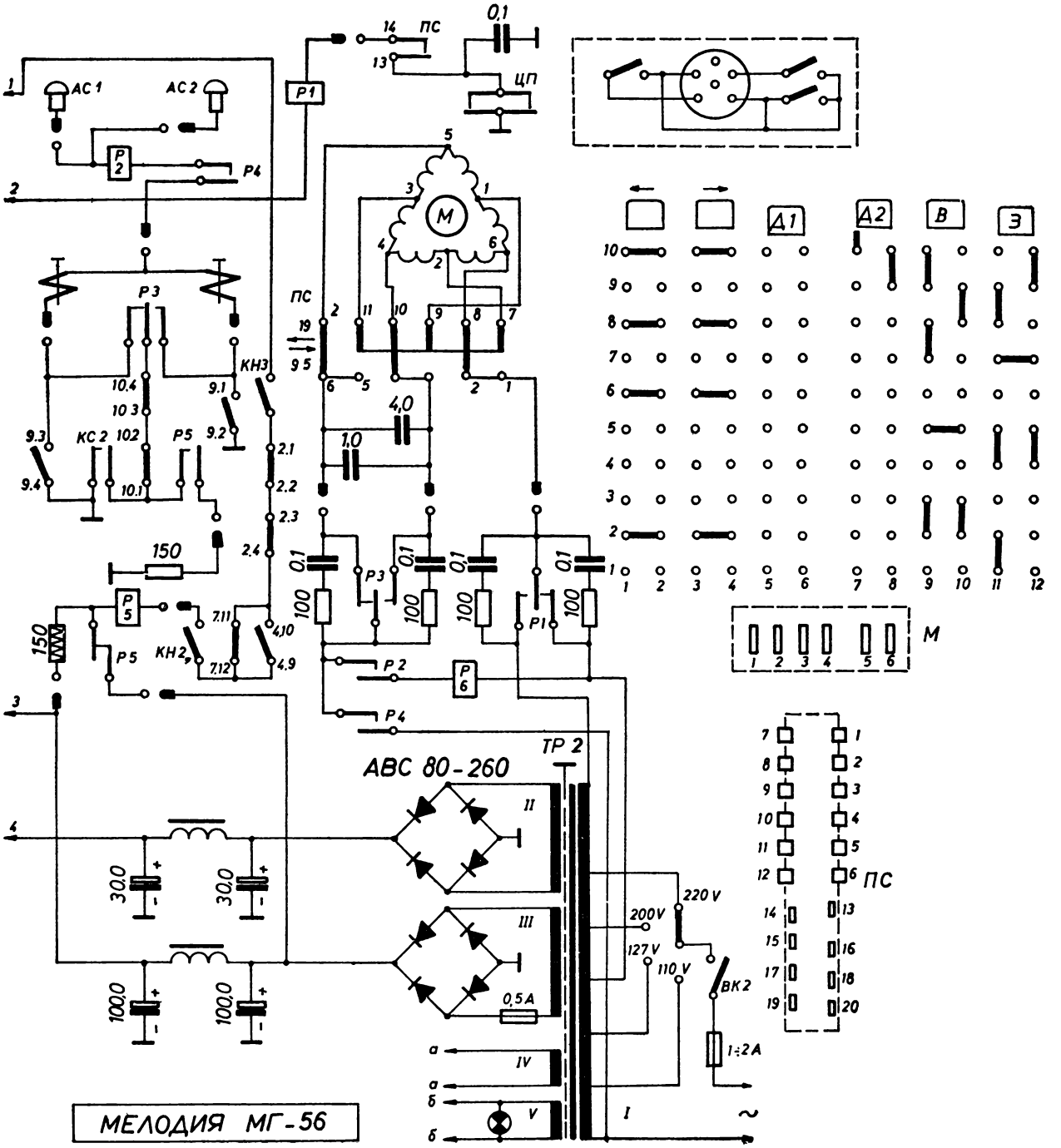
КОМЕТА 201



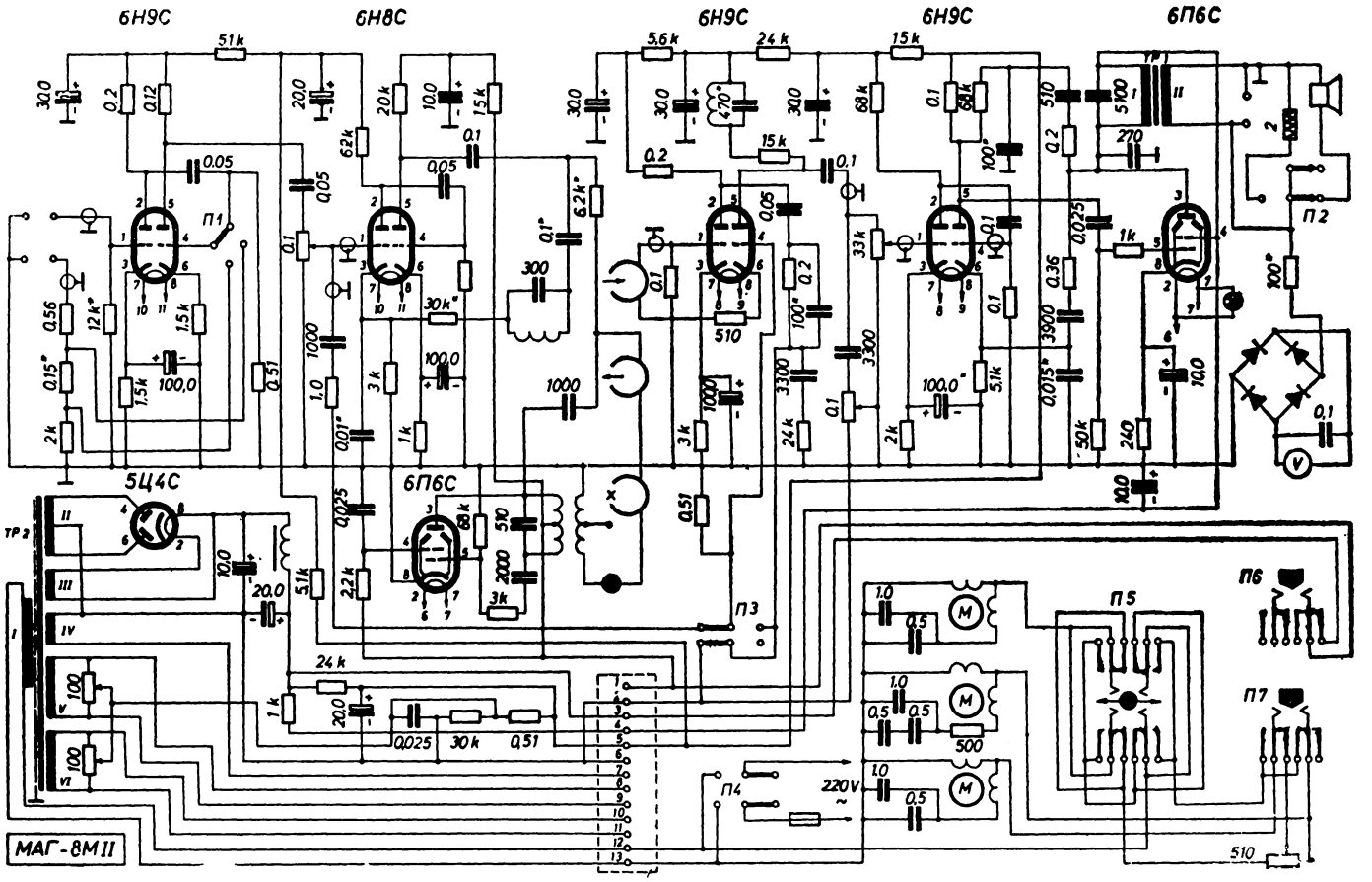

6Н3П
6Н3П
6Н3П
6Н3П
6Н1П
6Н1П
ТР 2
ТР 5
ТР 6
АВС 12-270
Д7Г
Д7Г
Д2Б
ВК1
ВК3
ВК4
КП1
КП2
КП11
МАГ - 59


6Н2П
6Н3П
6П14П
6П14П
ПК1
ВК2
ТР4
М2
М1
М3
ЕМ1
ЕМ2
КП 3
КП4
КП5
КП6
КП7
КП8
ВЭ
ШВ
МАГ - 59

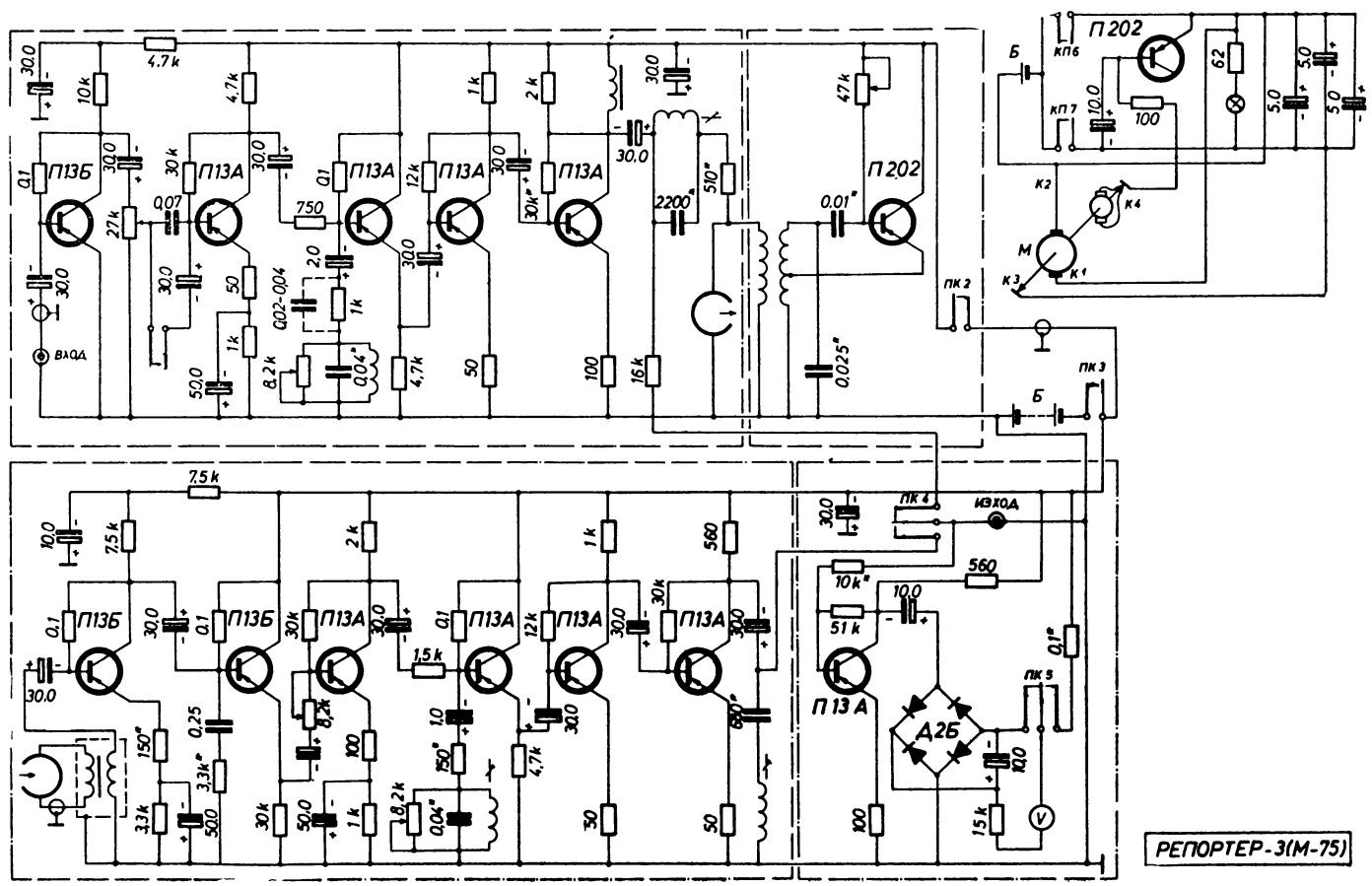

6Н2П
6Н2П
6Н2П
6П14П
6П1П
6Н2П
6Е5С
М
ЭВ
Л
ВУ
ВГ
ВК 1
ПС
Р3
Р1
Р4
КС1
КН1
МЕЛОДИЯ МГ-56


МЕЛОДИЯ МГ-56
АВС 80-260
ТР 2
АС 1
АС 2
Р1
Р2
Р3
Р4
Р5
Р6
КН2
КН3
КС 2
ПС
ЦП
М
Д1
Д2
В
З
220 V
200V
127 V
110 V
ВК2
0,5А
1÷2А

МАГ 8 М II

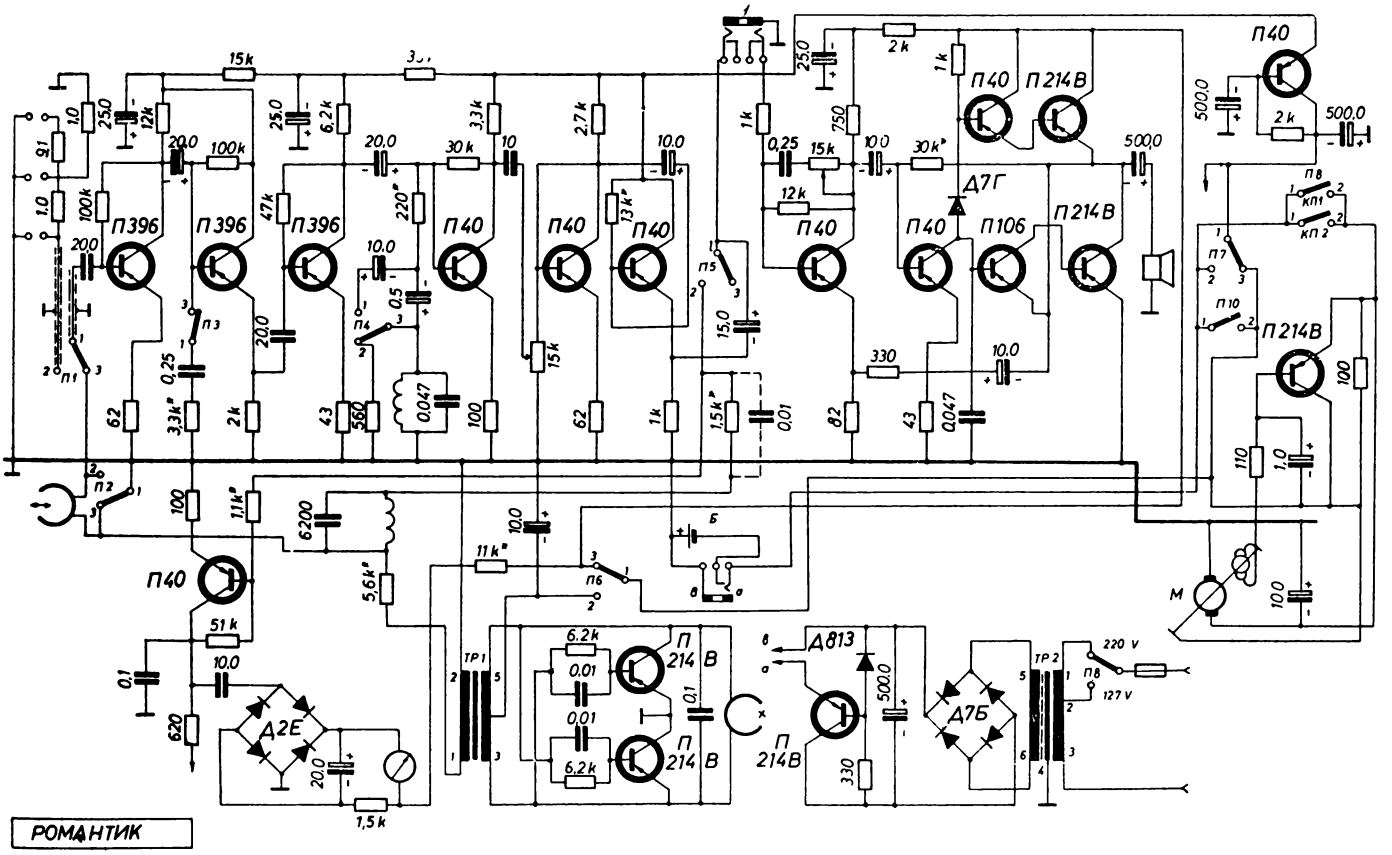


РЕПОРТЕР3 (М-75)

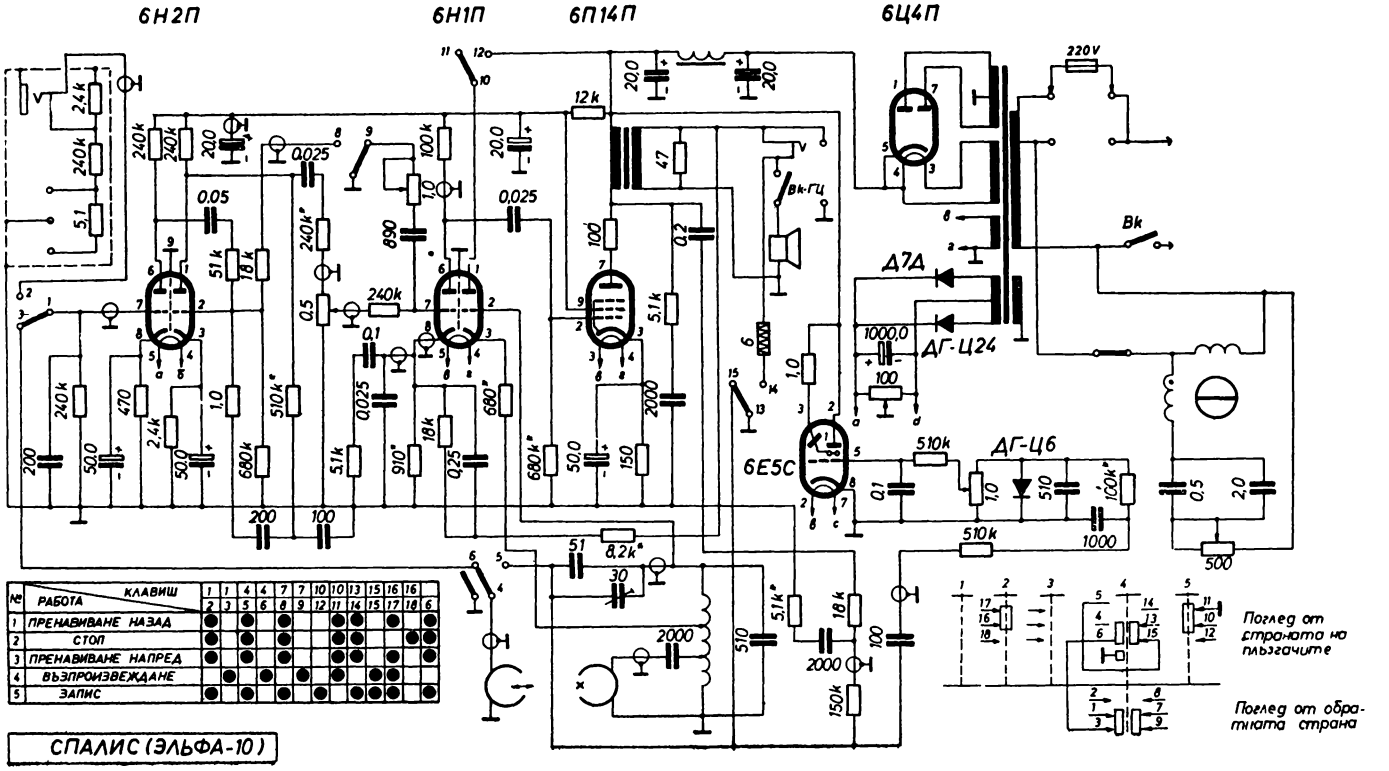


РОМАНТИК

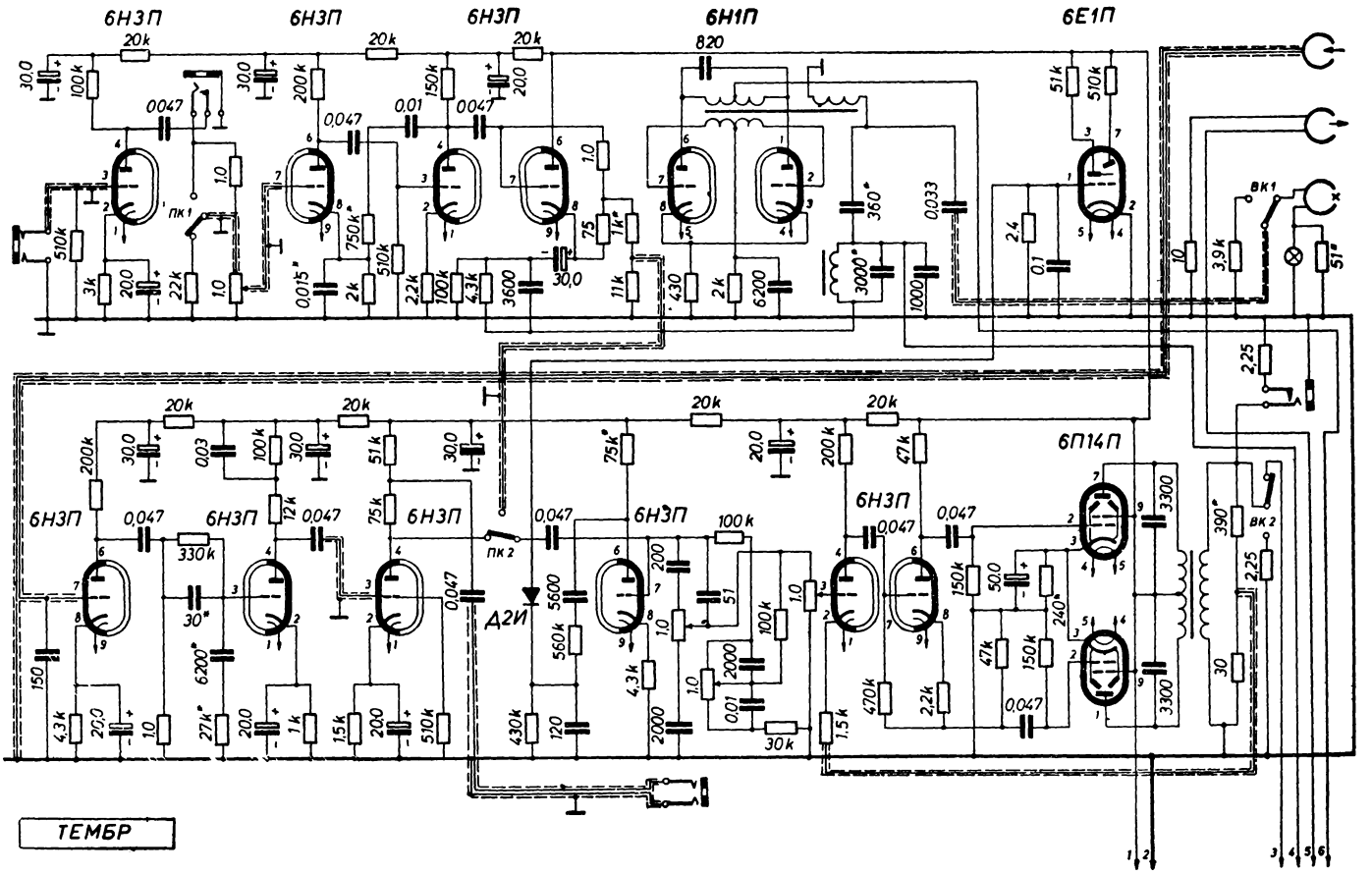
Двупистов : 9,5 cm/s
Честотна лента 60 ÷ 10000 Hz
Тегло 5 kg



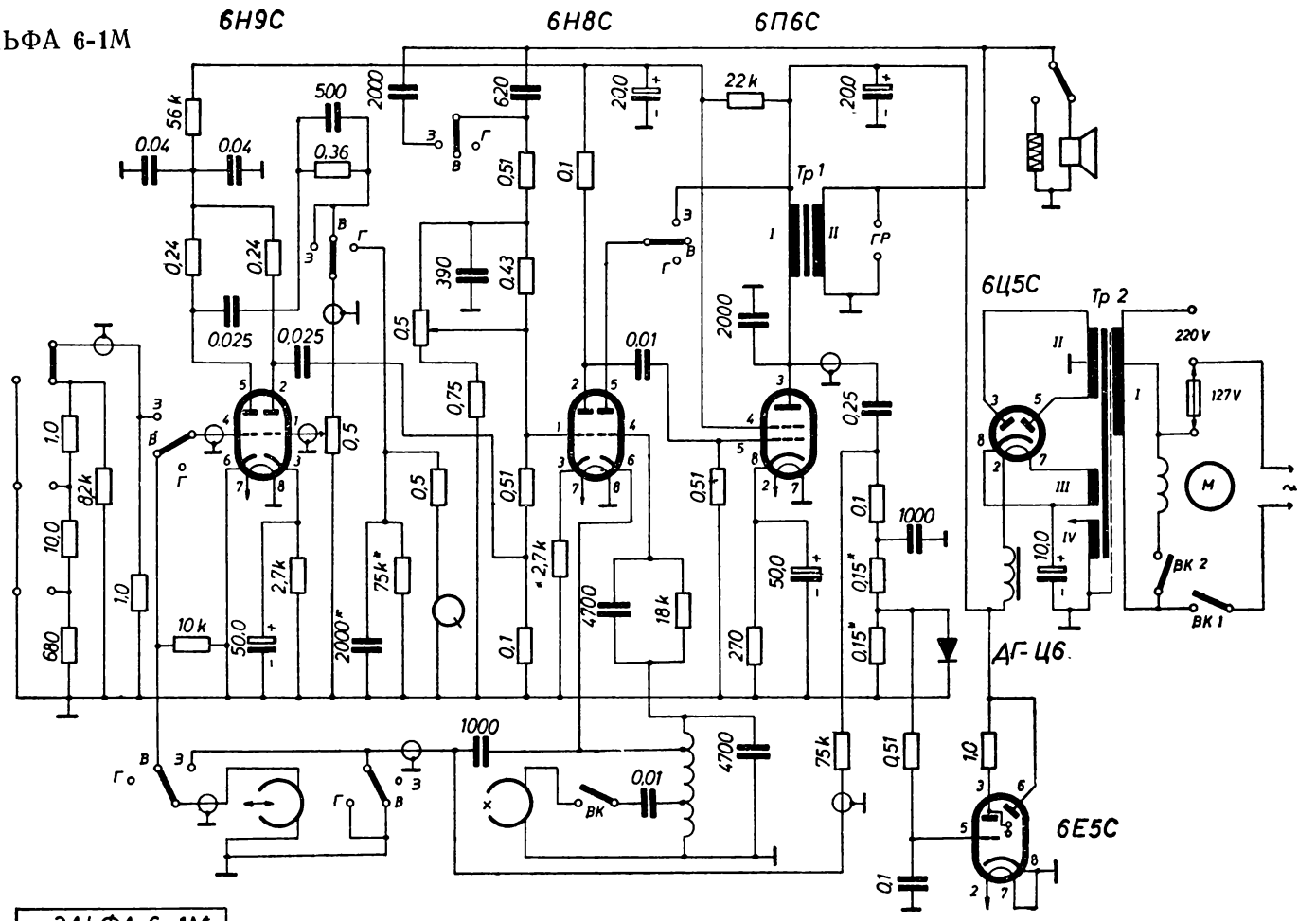
СПАЛИС (ЭЛЬФА 10)



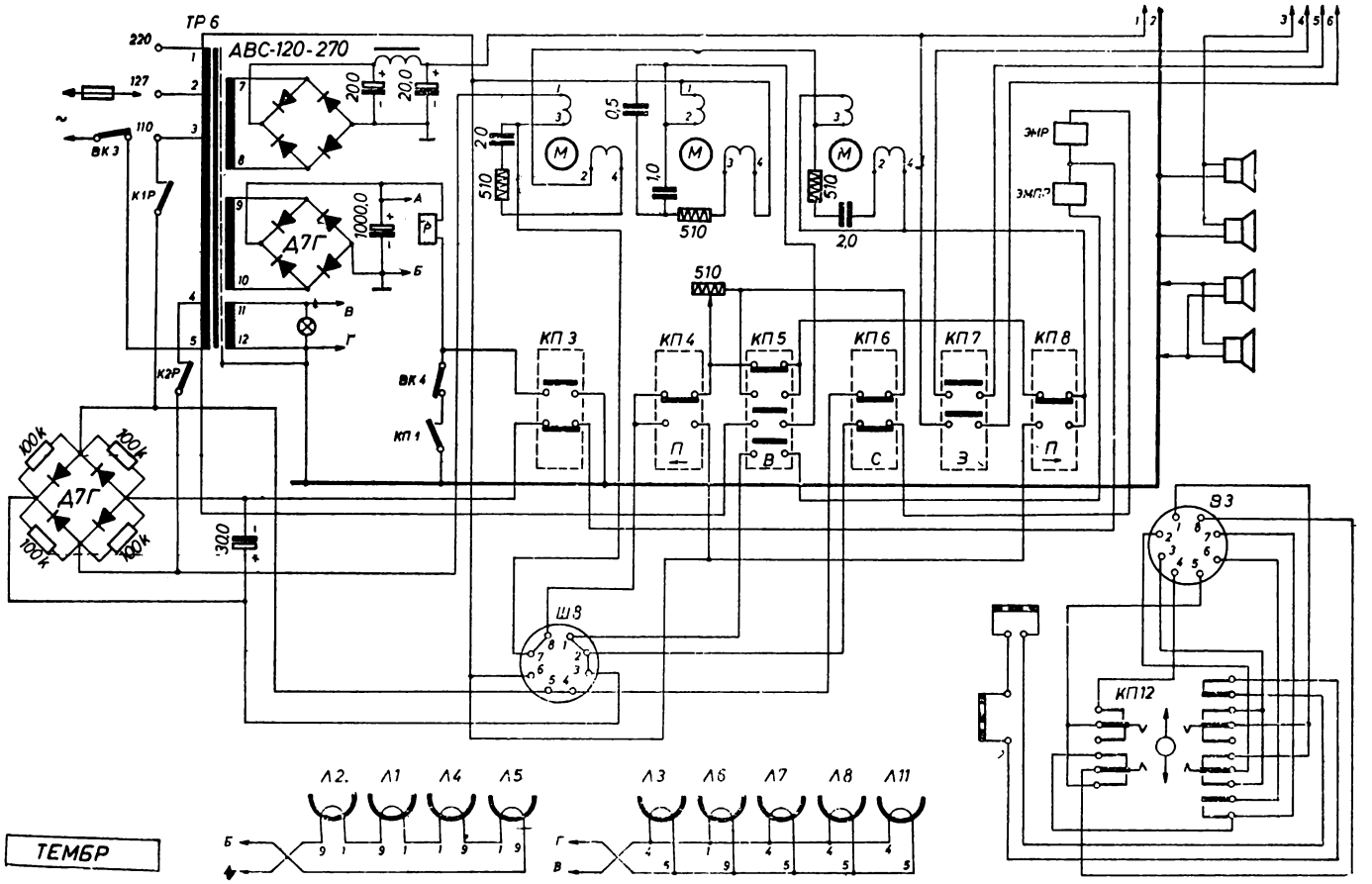
№	РАБОТА / КЛАВИШ	1	1	4	4	7	7	10	10	13	15	16	16
		2	3	5	6	8	9	12	11	14	15	17	18	6
1	ПРЕНАВИВАНЕ НАЗАД	●			●			●	●		●			
2	СТОП	●		●		●			●	●			●	●
3	ПРЕНАВИВАНЕ НАПРЕД	●		●		●			●	●			●	
4	ВЪЗПРОИЗВЕЖДАНЕ		●		●		●			●	●			
5	ЗАПИС	●		●		●		●		●	●	●		


6Н3П
6Н3П
6Н3П
6Н1П
6Е1П
6Н3П
6Н3П
6Н3П
6Н3П
6П14П
ПК1
ПК2
Д2И
ВК1
ВК2
ТЕМБР

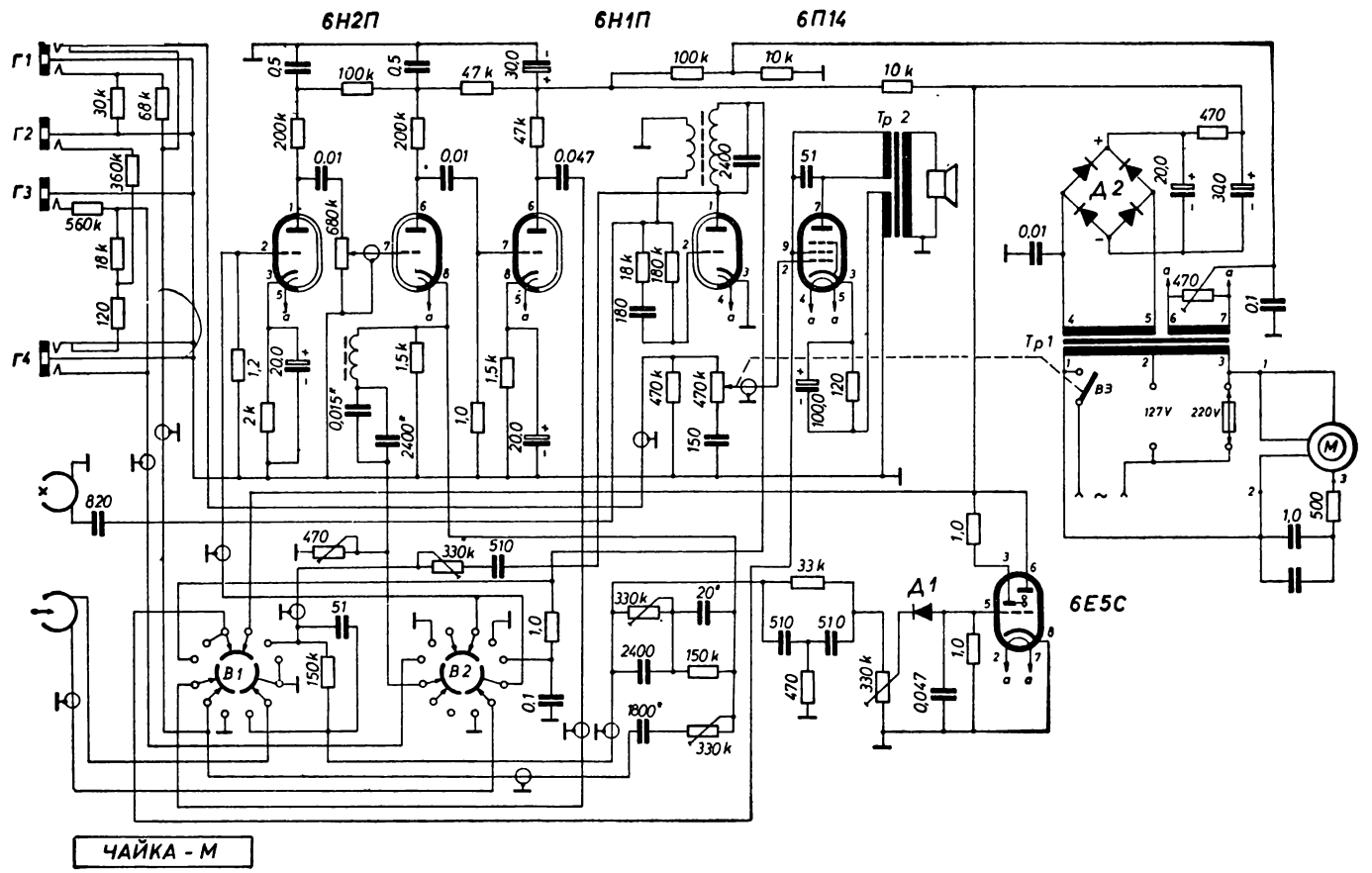
ЭЛЬФА 6-1М

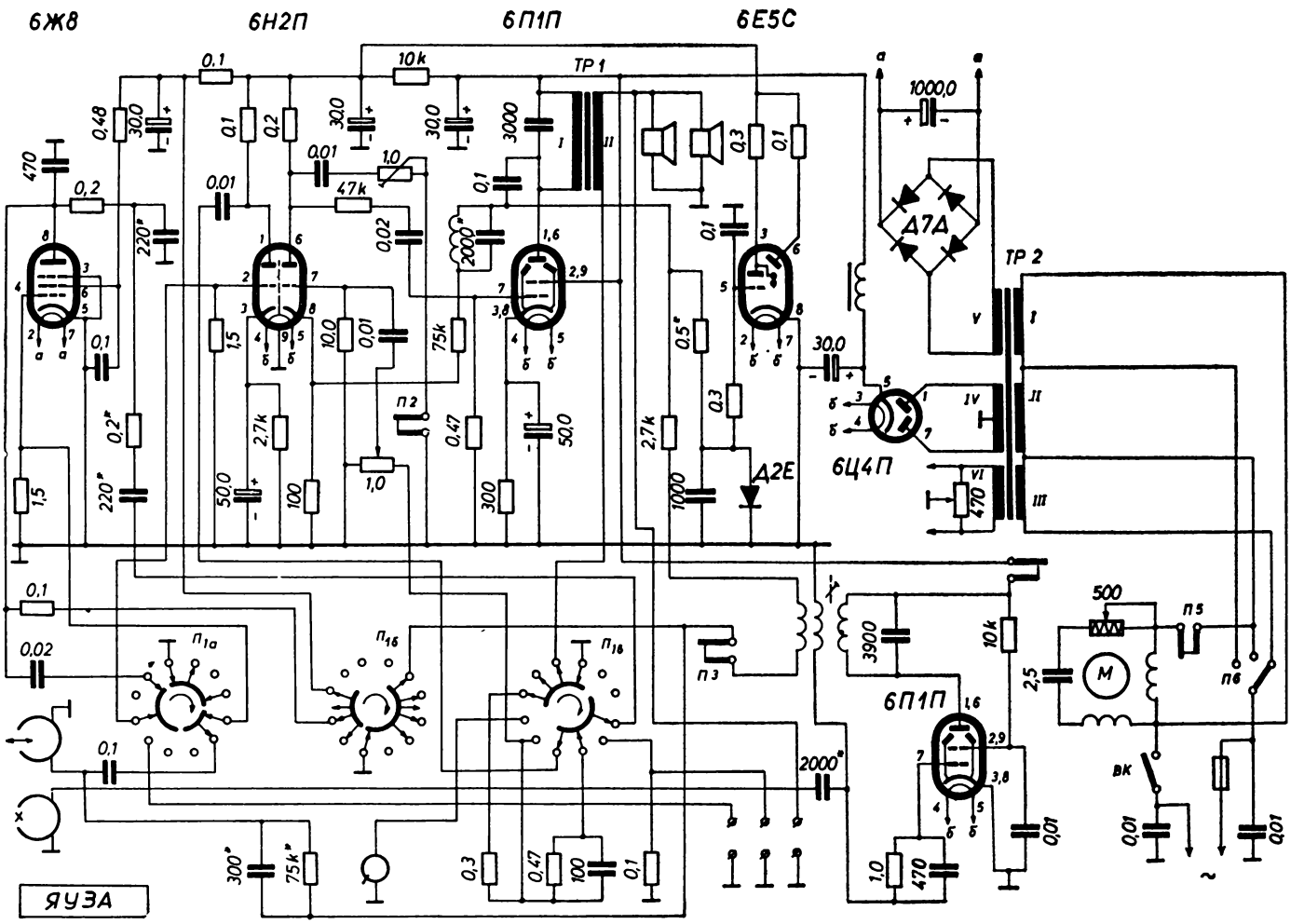

6Н9С
6Н8С
6П6С
Тр 1
Тр 2
6Ц5С
220 V
127V
ВК 2
ВК 1
Д7-Ц6
6Е5С
ЭЛЬФА 6-1М

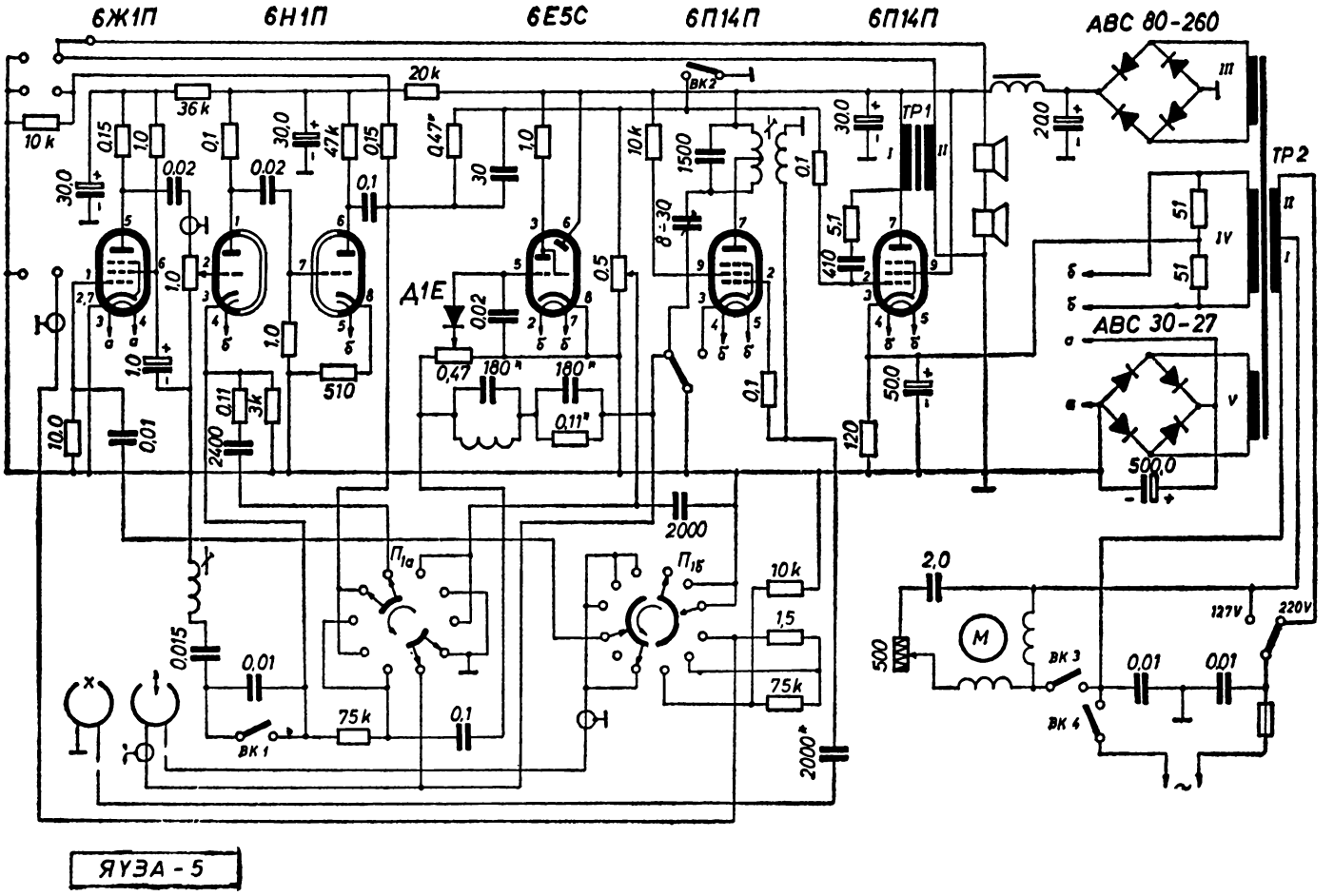
ТЕМБЪР

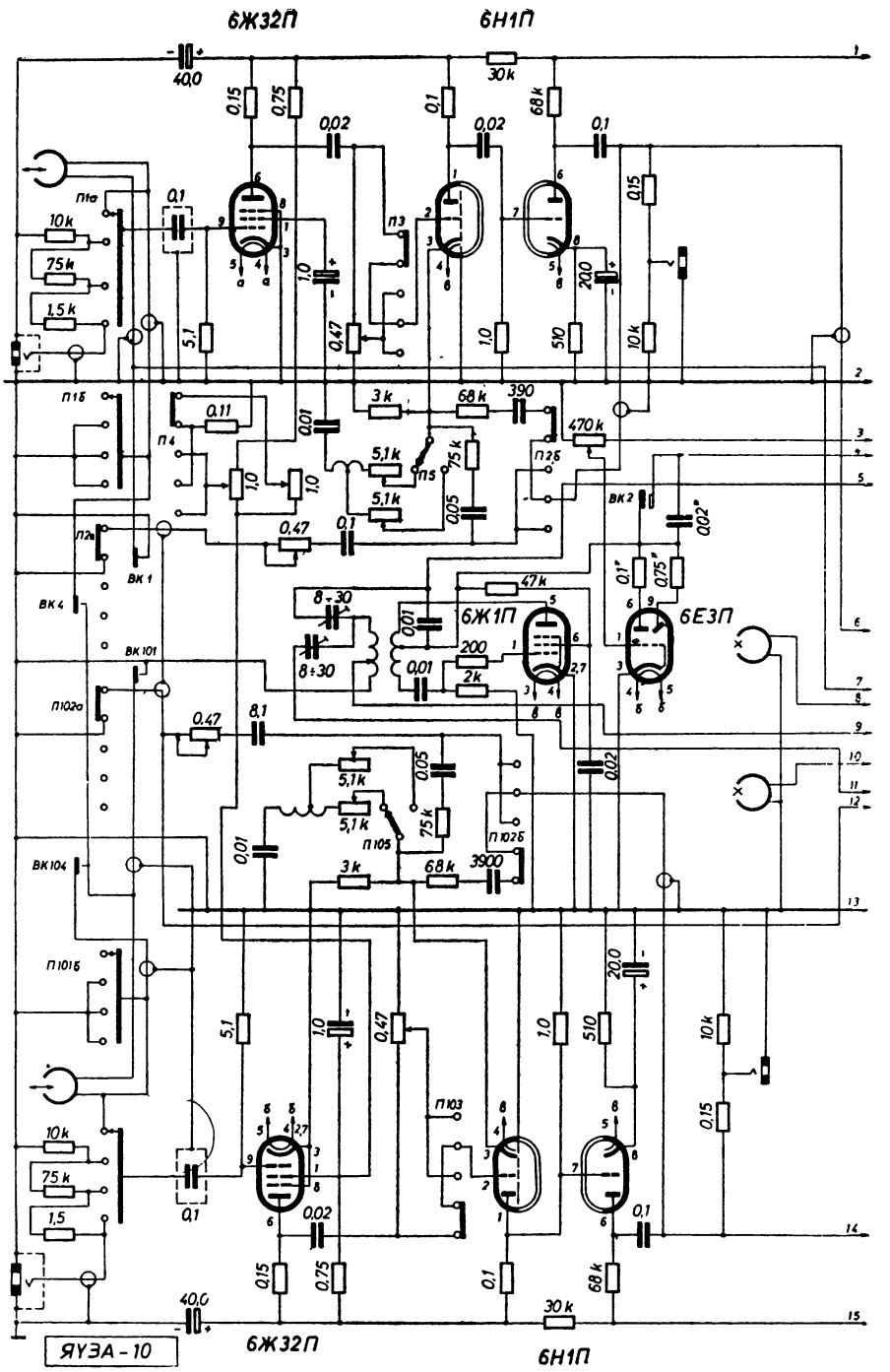


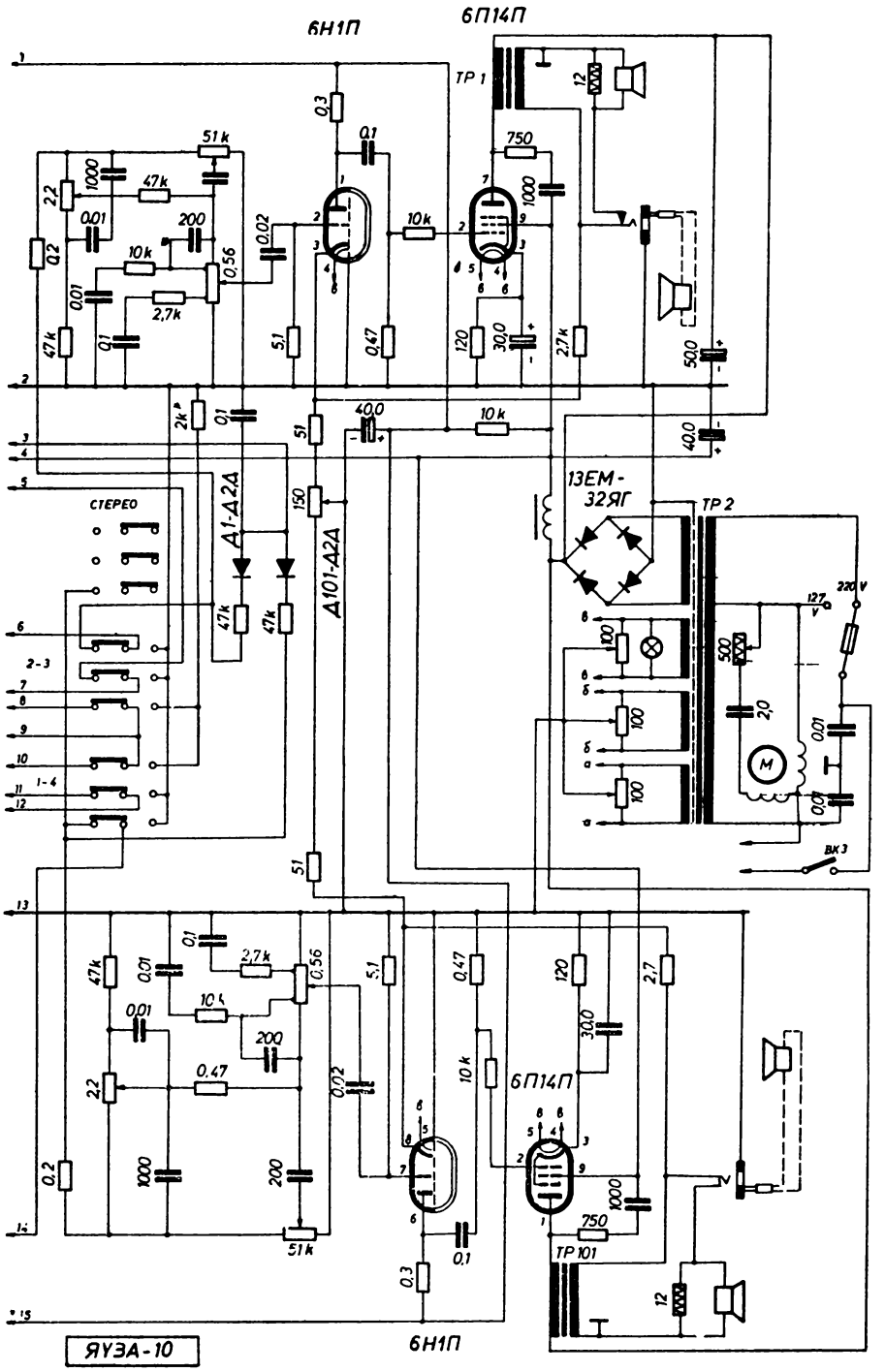
ЧАЙКА М



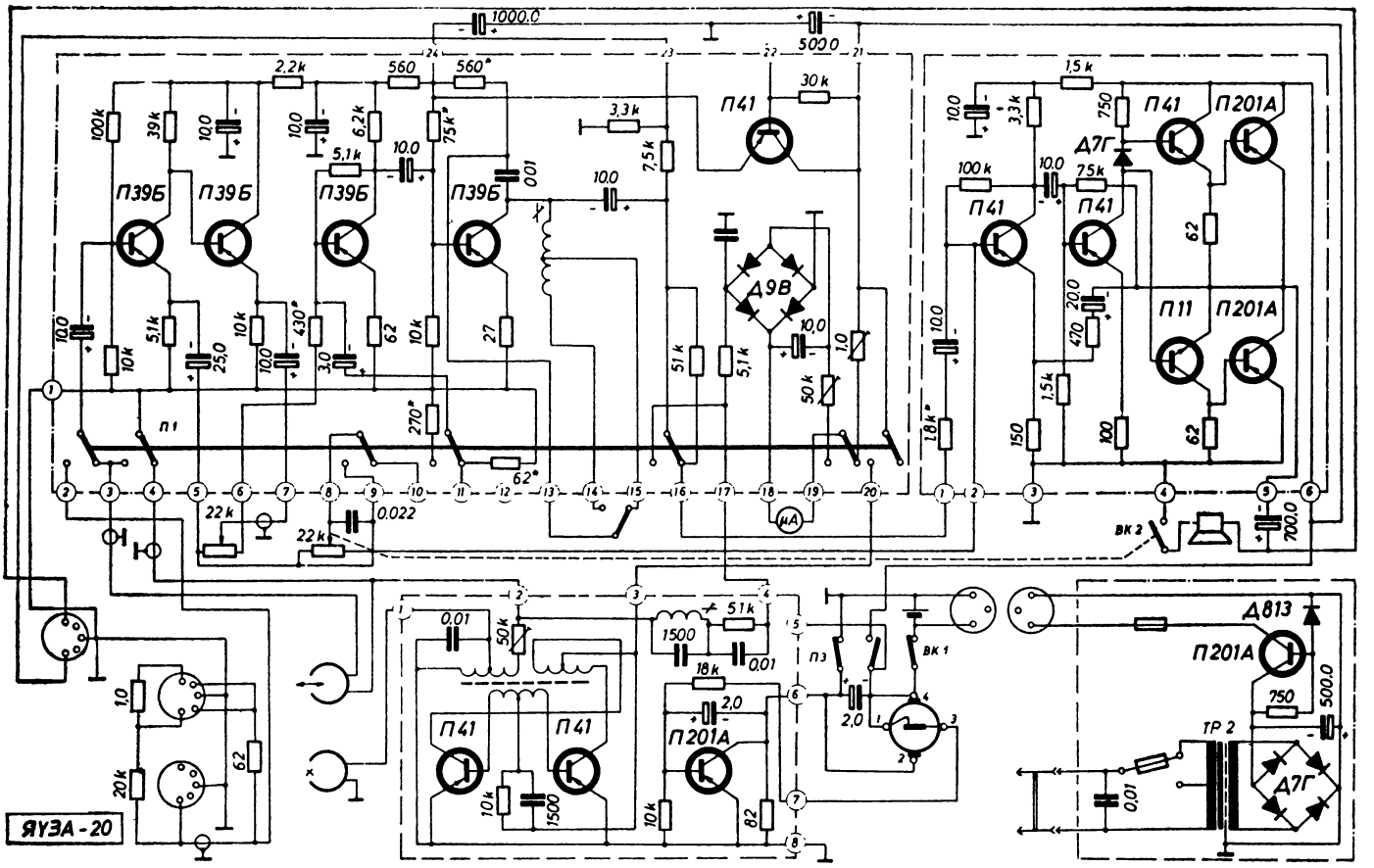

6Ж8
6Н2П
6П1П
6Е5С
ТР 1
ТР 2
Д7А
Д2Е
6Ц4П
6П1П
П1а
П1б
П1в
П2
П3
П5
П6
М
ВК
500
1000,0
3900
2000
10k
ЯУЗА


6Ж1П
6Н1П
6Е5С
6П14П
6П14П
АВС 80-260
ТР1
ТР2
А1Е
АВС 30-27
ВК1
ВК2
ВК3
ВК4
127V
220V
ЯУЗА - 5


6Ж32П
6Н1П
6Ж1П
6Е3П
ЯУЗА-10
6Ж32П
6Н1П

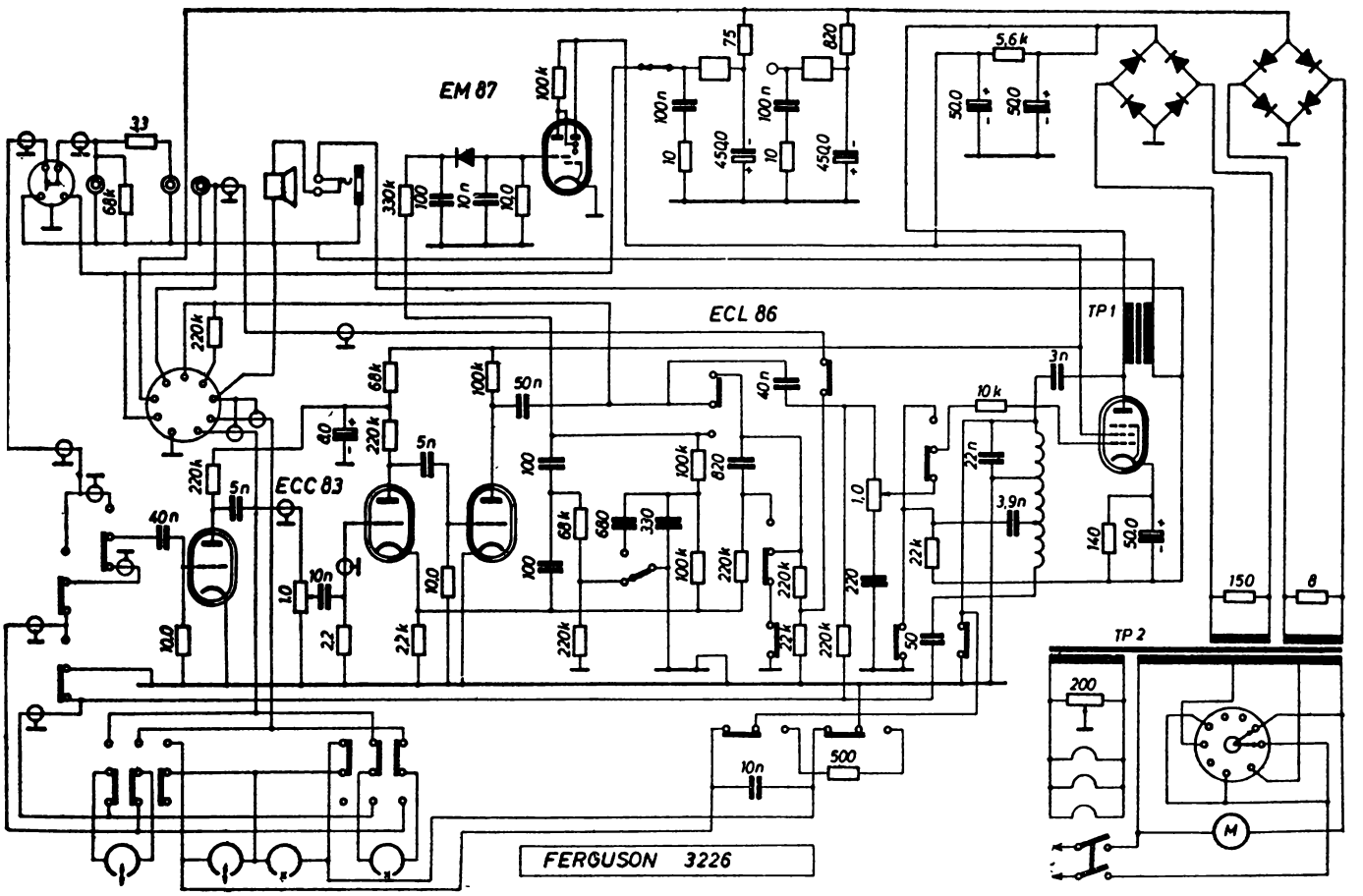

6Н1П
6П14П
ТР 1
СТЕРЕО
Д1-Д2А
Д101-Д2А
13ЕМ-32ЯГ
ТР 2
220 V
127 V
ВК 3
ТР 101
ЯУЗА-10

ЯУЗА 20


1000.0
500.0
П39Б
П41
П201А
Д9В
Д7Г
П11
Д813
ТР 2
П1
П2
П3
ВК 1
ВК 2
мА
ЯУЗА-20

FERGUSON **3226**,
ULTRA **6216**

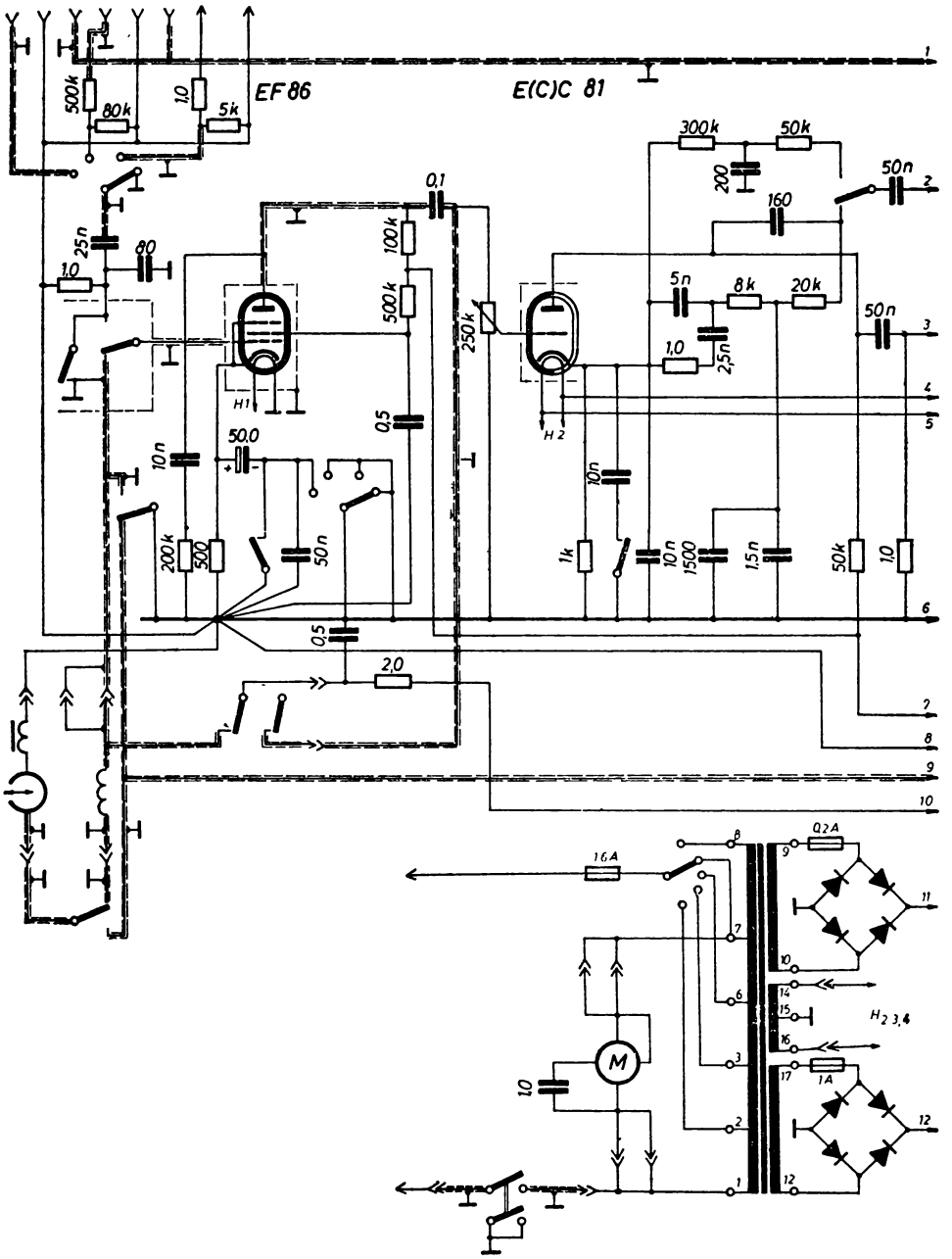
Четирипистов: 4,76 cm/s и 9,5 cm/s
Честотна лента 60 ÷ 10000 Hz
Захранване от мрежа



МАГНЕТОФОНИ ПРОИЗВОДСТВО НА ГЕРМАНСКАТА ДЕМОКРАТИЧНА РЕПУБЛИКА

BG 20 SMARAGD

Двупистов; 19,05 cm/s
Честотна лента 40÷12000 Hz
Захранване от мрежа
Тегло 18 kg



SMARAGD BG 20

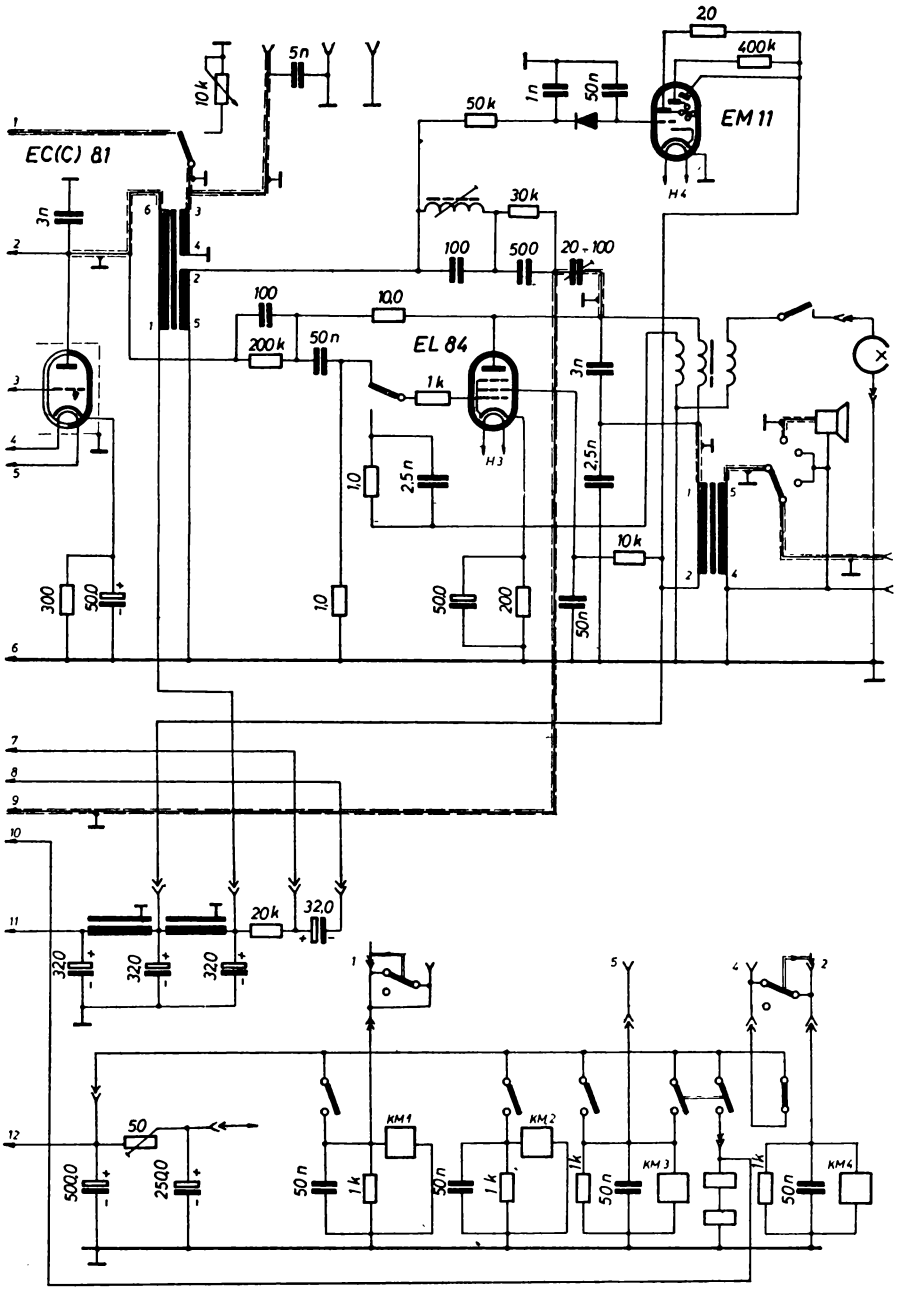
BG 20-1

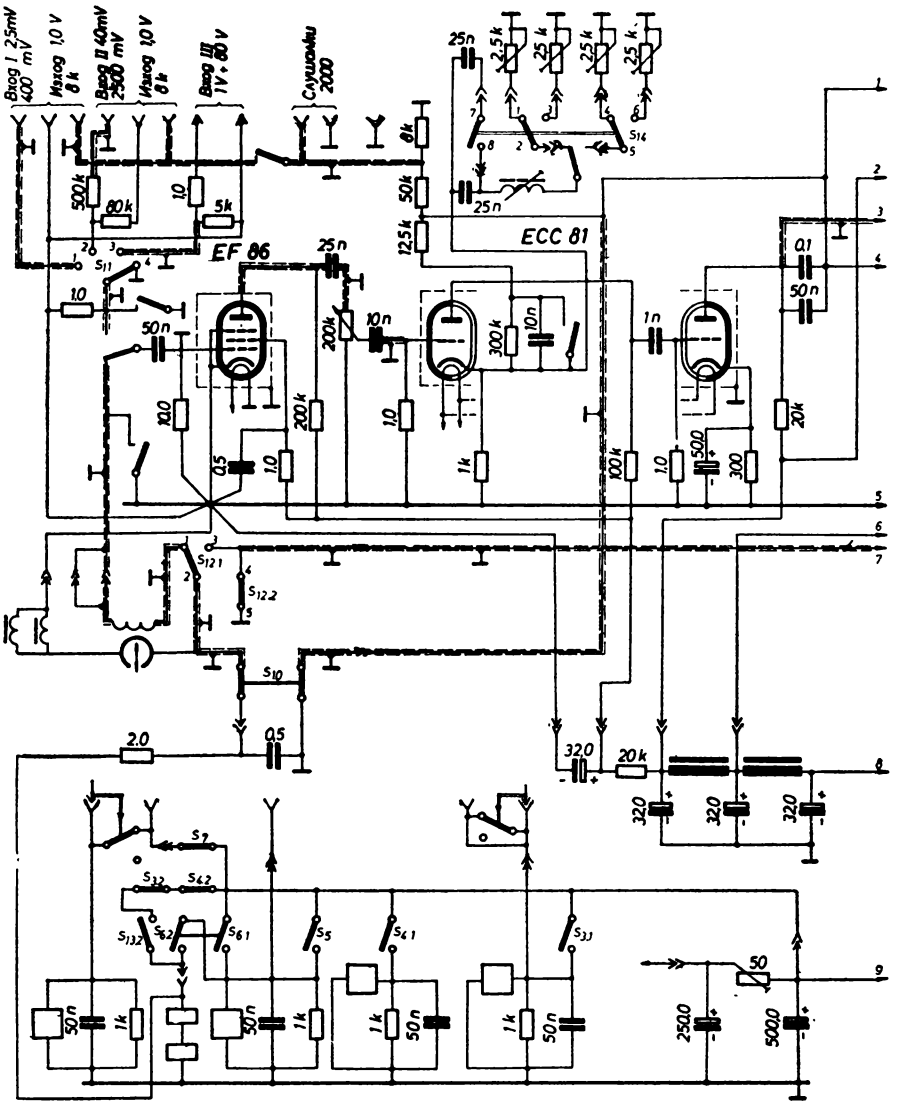
Представлява усъвършенствуване на BG 20 «Smaragd» главно в манипулационно отношение. Останалите данни и схемата са, както при BG 20 «Smaragd»

BG 20-2

Скорост на лентата 9,5 cm/s

Останалите данни и схемата са, както при BG 20-1

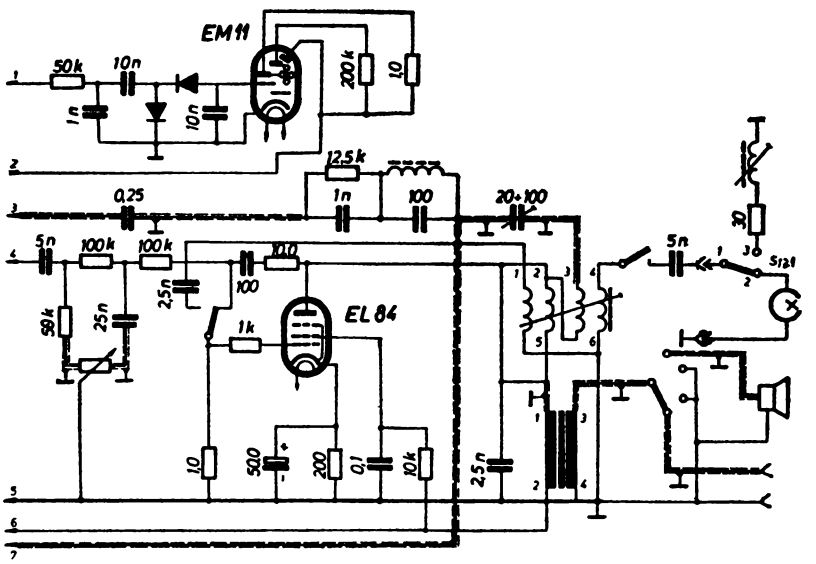


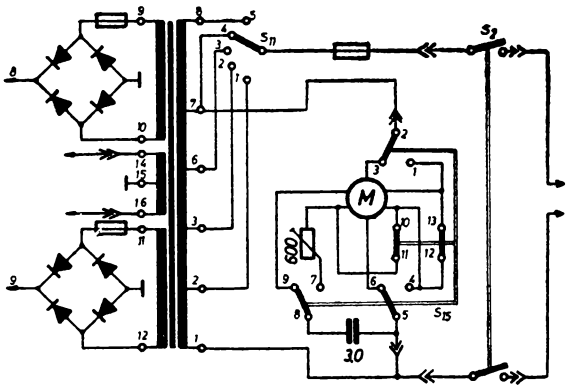


SMARAGD BG 20-3

	S_{14}					S_{15}							
	1/2	2/3	4/5	5/6	7/8	1/2	2/3	4/5	5/6	7/8	8/9	10/11	12/13
9,5 cm/s		•		•	•	•		•		•			
19,05 cm/s	•		•				•		•		•	•	•

Двупистов: 19,05 cm/s и 9,5, cm/s
Честотна лента 60÷12000 Hz
  респ. 60÷9000 Hz
Захранване от мрежа
Тегло 18 kg

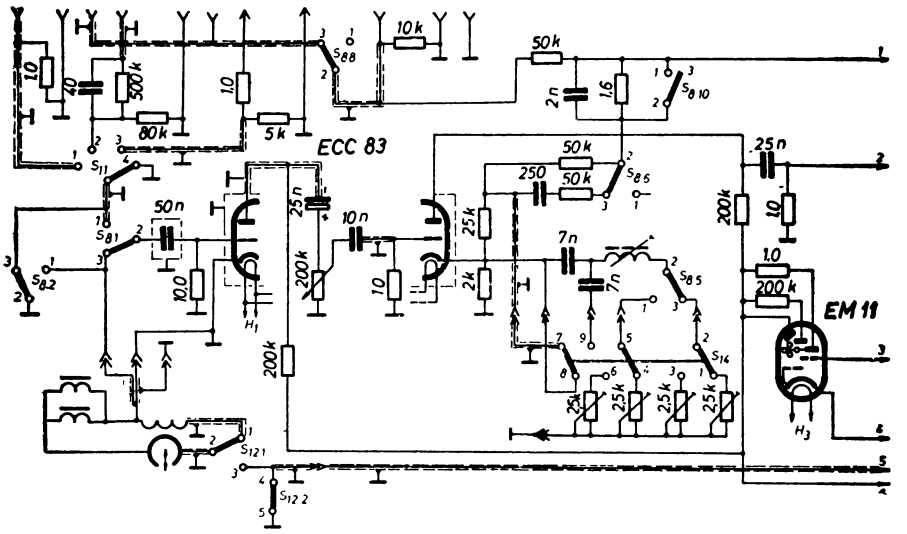


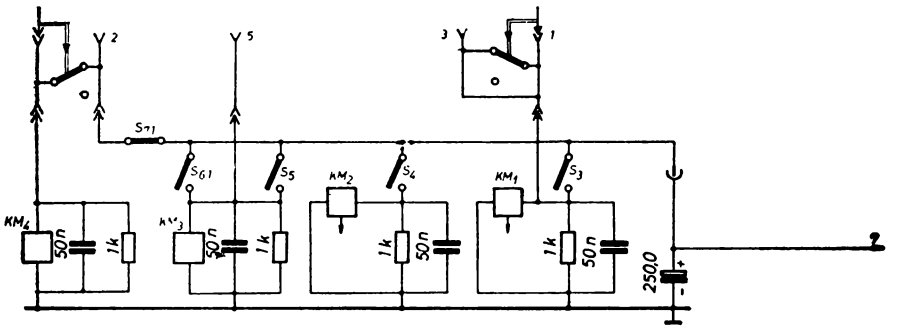


КЛЮЧ	31	32	41	42	5	61 62	7	10	121	122	131	132
Запис		•		•		•			• (2-3)		• (1-2)	
←	•			•				•	• (2-1)	•	• (1-2)	
Стоп		•		•			•	•	• (2-1)	•	• (1-2)	
→		•	•					•	• (2-1)	•	• (1-2)	
Възпроизвеждане		•		•	•				• (2-1)	•	• (1-2)	
Контрол		•		•			•		• (2-1)	•	• (1-3)	•
Трик запис		•		•		•			• (2-3)		• (1-3)	•

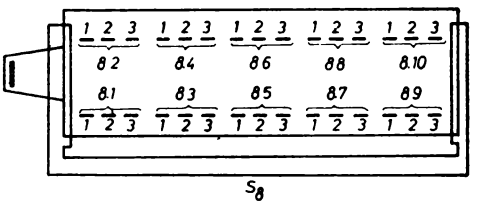
SMARAGD BG 20-3

Двупистов: 19,05 cm/s и 9,5 cm/s
Честотна лента 60 ÷ 15000 Hz
респ. 60 ÷ 10000 Hz
Захранване от мрежа
Тегло 18 kg



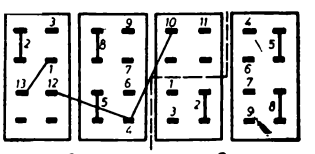


S_{81} ÷ 810	1-2	2-3
Възпроизвеждане		●
Запис	●	



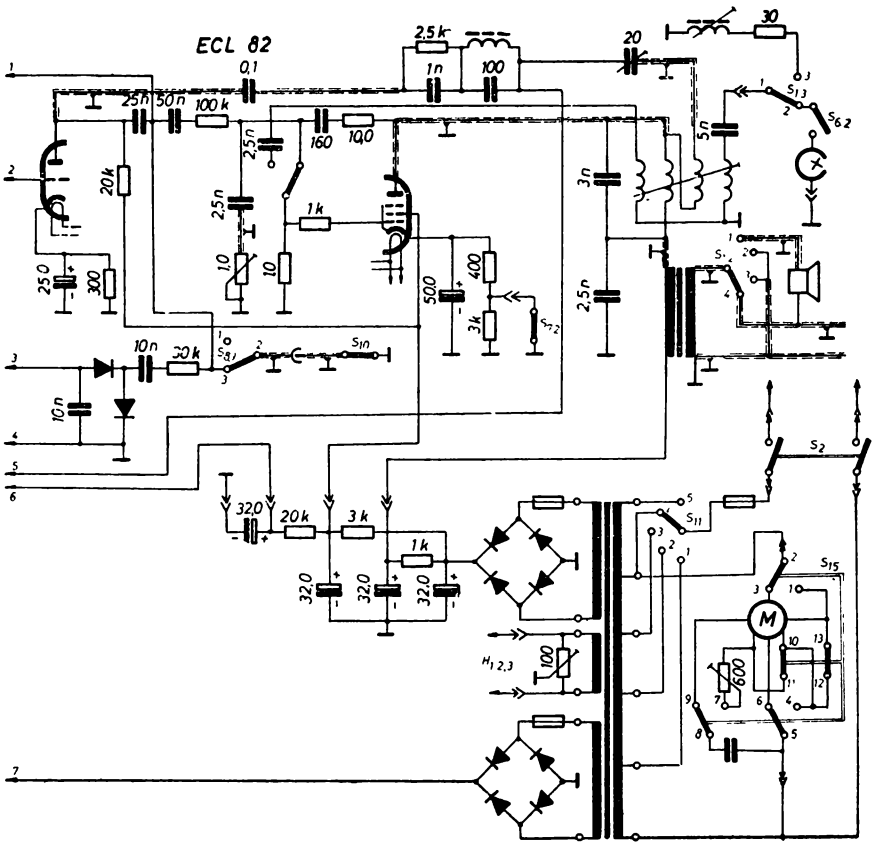
	S_{14}					S_{15}						
	1 2	2 3	4 5	5 6	7 8	1 2	2 3	4 5	5 6	7 8	8 9	10 11	12 13
9,5 cm/s		●		●		○	●		●		●		
19,05 cm/s	●		●		●			●		●		●	●

Положение 19,05 cm/s



Поглед от към монтажа

SMARAGD BG 20-4

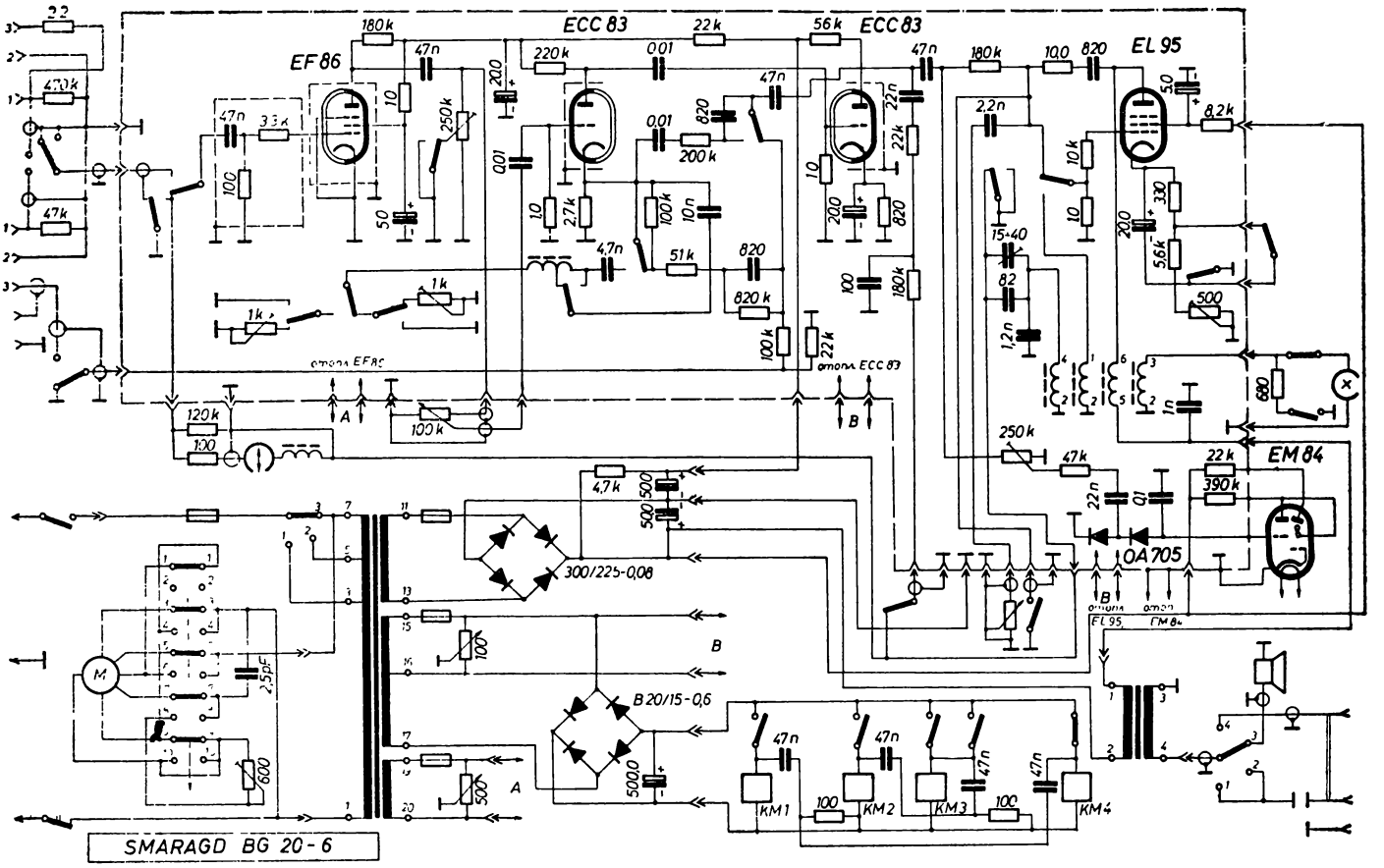


КЛЮЧ	3	4	5	61 62	71	10	121	122	13
Запис				●			● (2-3)		● (1-2)
←	●					●	● (2-1)	●	● (1-2)
Стоп					●	●	● (2-1)	●	● (1-2)
→		●				●	● (2-1)	●	● (1-2)
Възпроизвеждане			●				● (2-1)	●	● (1-2)
Контрола					●		● (2-1)	●	● (1-2)
Трик				●			● (2-3)		● (1-3)

SMARAGD BG 20-4

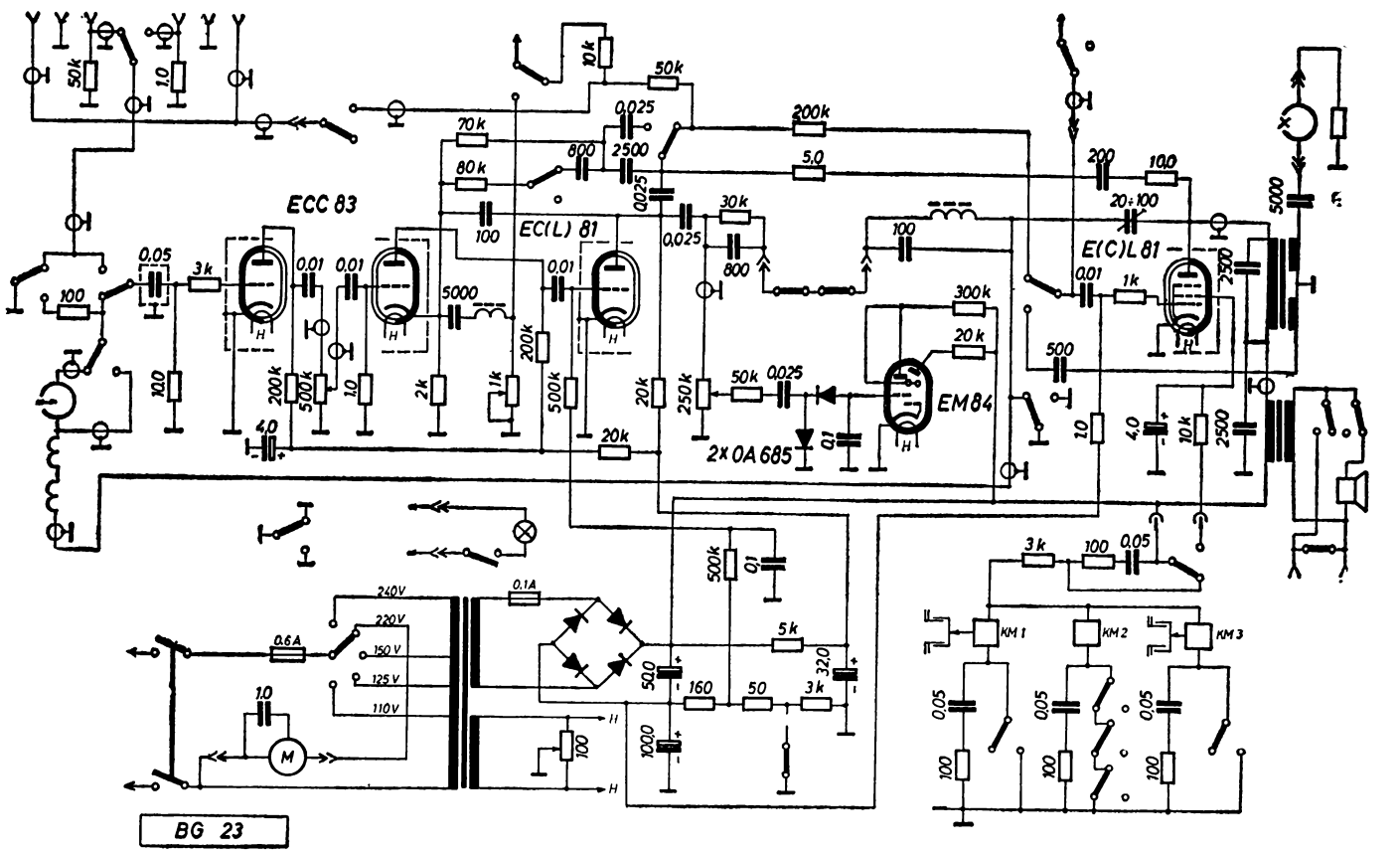
BG 20—6

Двупистов: 19,05 cm/sm 9,5 cm/s Захранване от мрежа
Честотна лента 60 ÷ 18000 Hz Тегло 14 kg
респ. 60 ÷ 12000 Hz



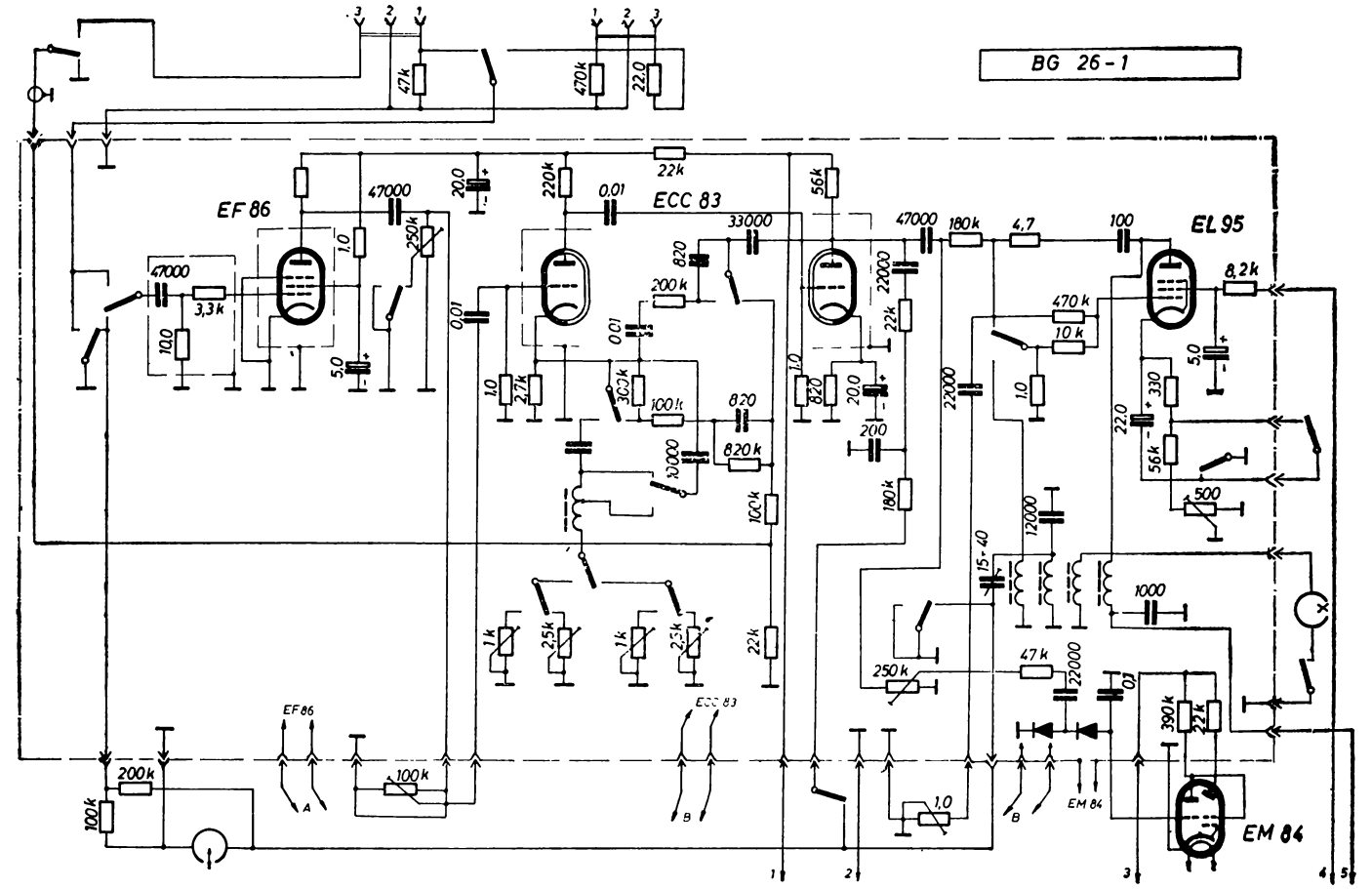
BG 23

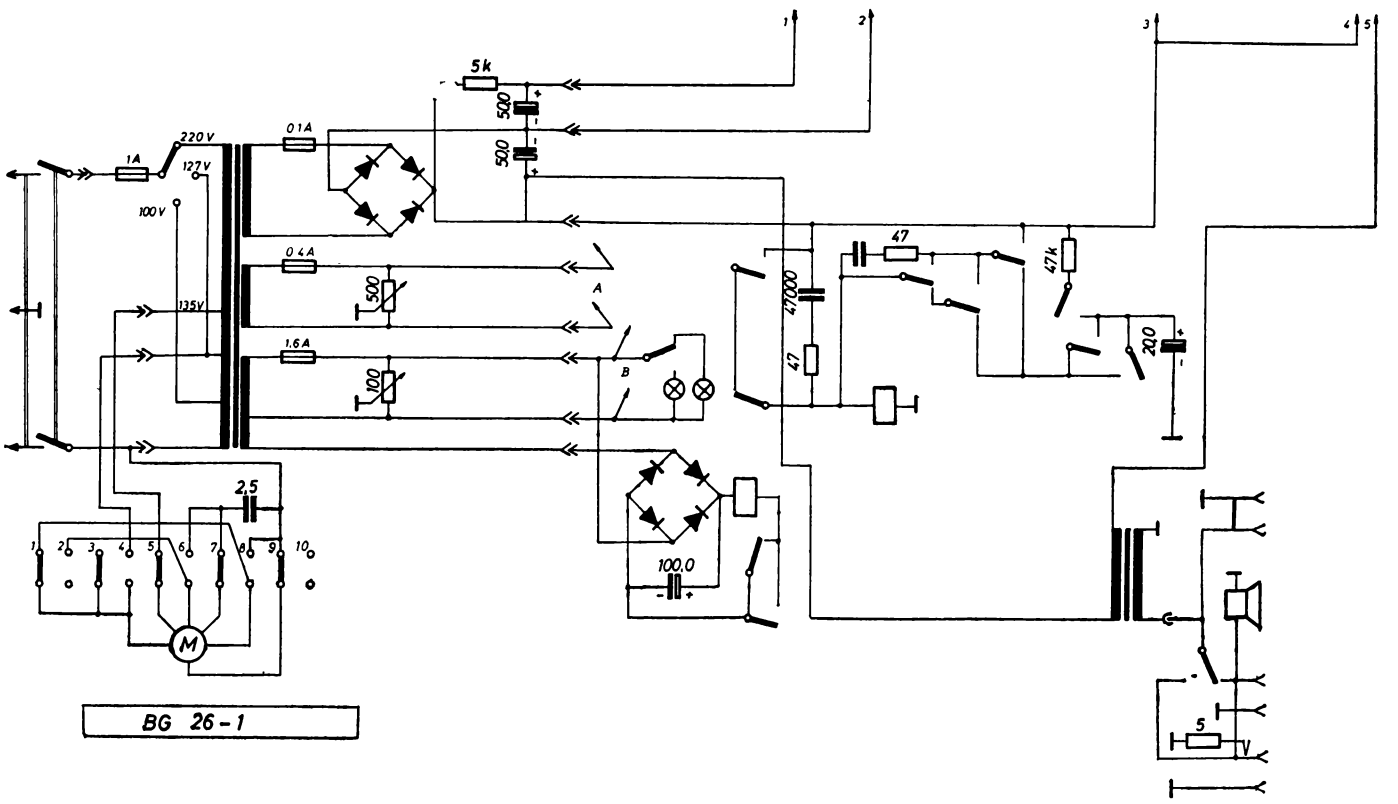
Двупистов: 9,5 cm/s;
Честотна лента 50 ÷ 12000 Hz
Захранване от мрежа
Тегло 8 kg

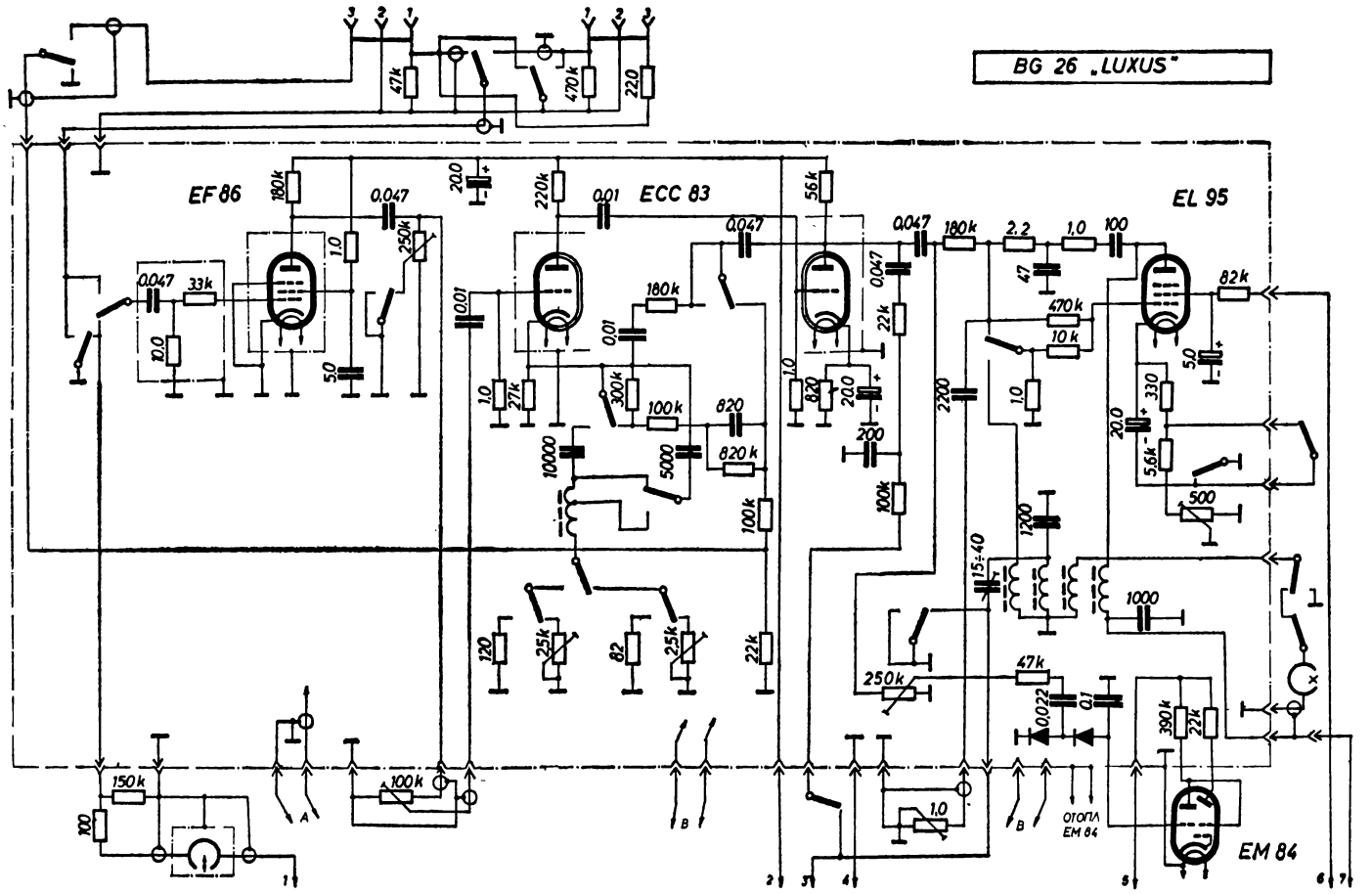


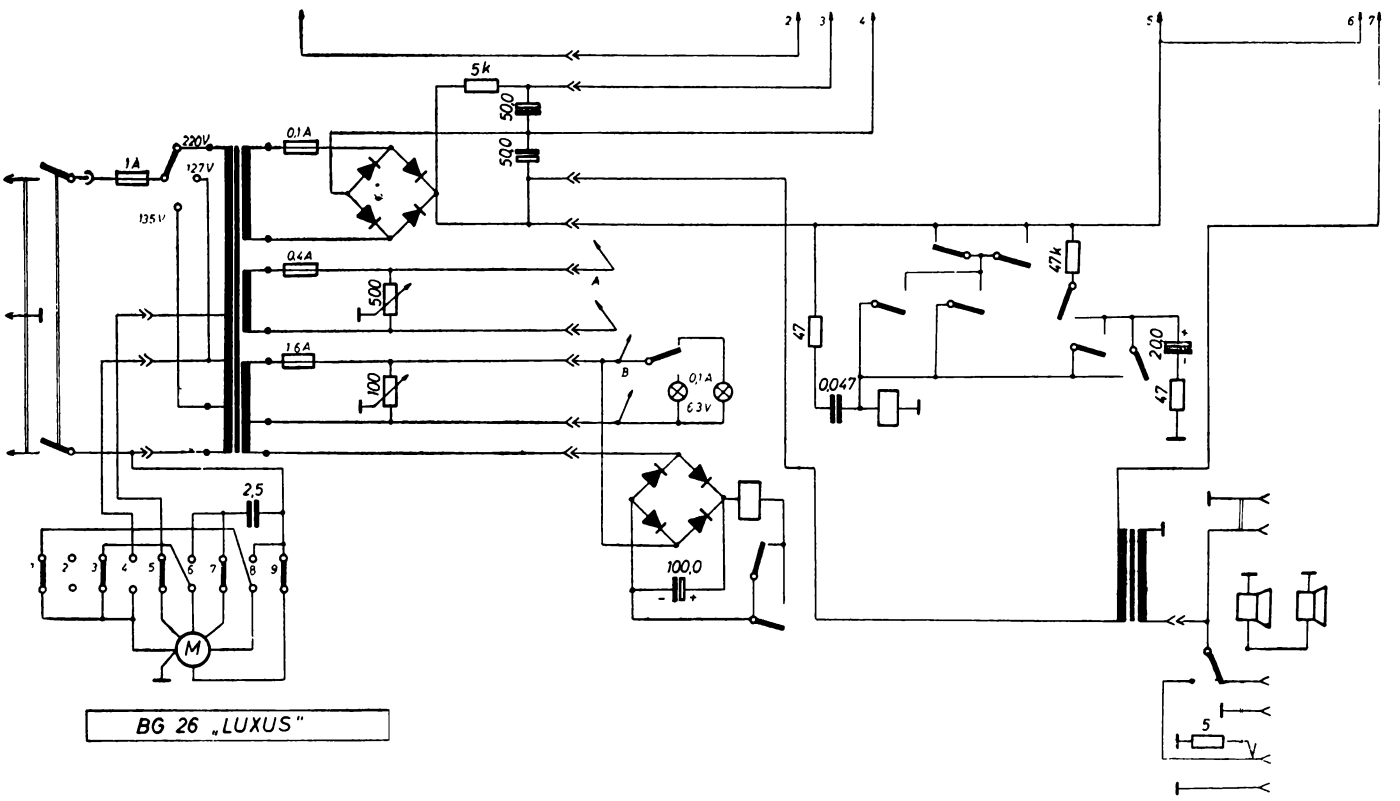
BG 26—1

Двупистов; 9,5 cm/s и 4,76 cm/s
Честотна лента 50 ÷ 12000 Hz
Захранване от мрежа
Тегло 9 kg






BG 26 „LUXUS"
EF 86
ECC 83
EL 95
EM 84

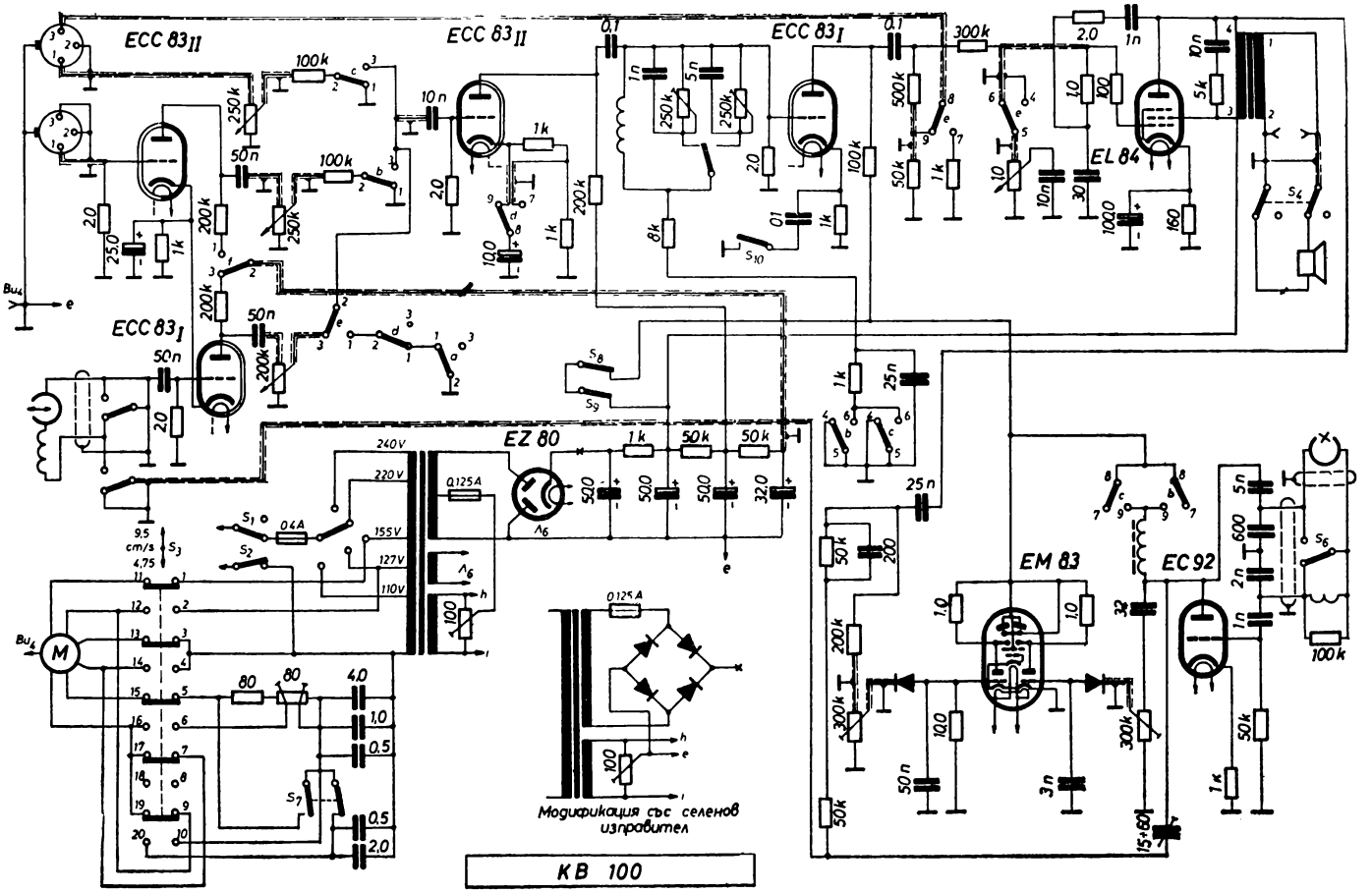

220V
127V
135V
1A
0,1A
0,4A
1,6A
6,3V
M

BG 26 „LUXUS"

КВ100

Двупистов; 9,5 cm/s и 4,76 cm/s
Честотна лента 60 ÷ 10000 Hz
респ. 60 ÷ 5000 Hz

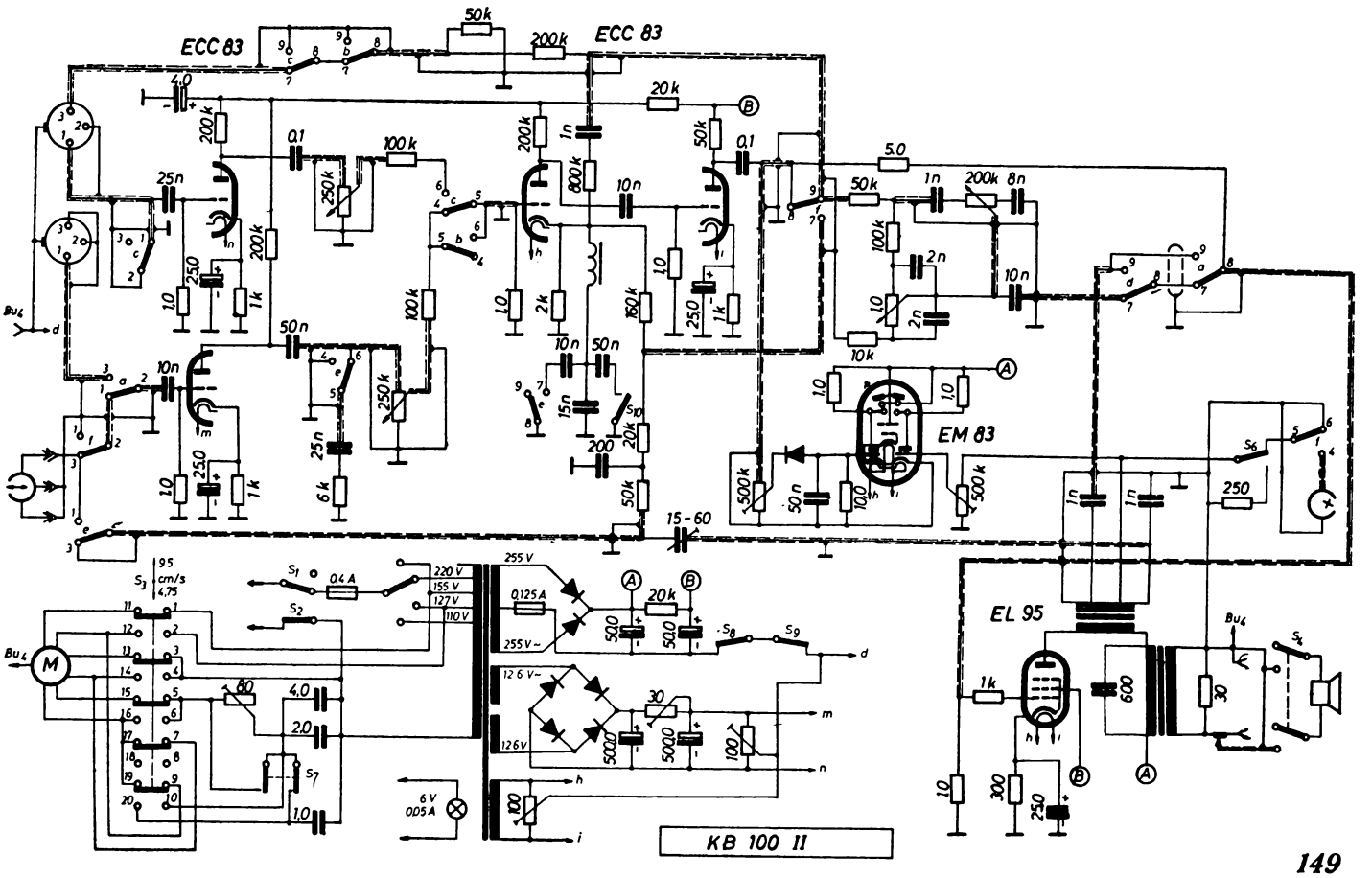
Захранване от мрежа
Тегло 13 kg



КВ 100-II

Двупистов; 9,5 cm/s и 4,76 cm/s
Честотна лента 60÷10000; Hz 60÷5000 Hz

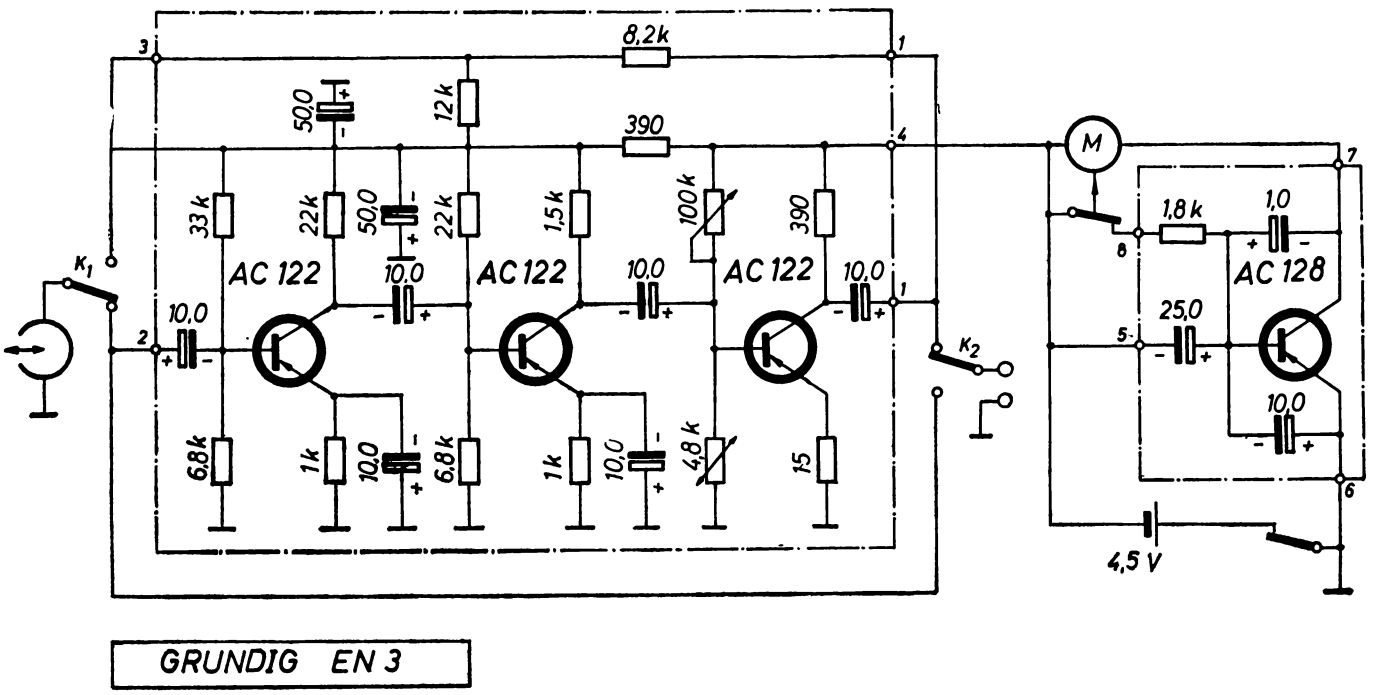
Захранване от мрежа
Тегло 13 kg



МАГНЕТОФОНИ ПРОИЗВОДСТВО НА ГЕРМАНСКАТА ФЕДЕРАЛНА РЕПУБЛИКА

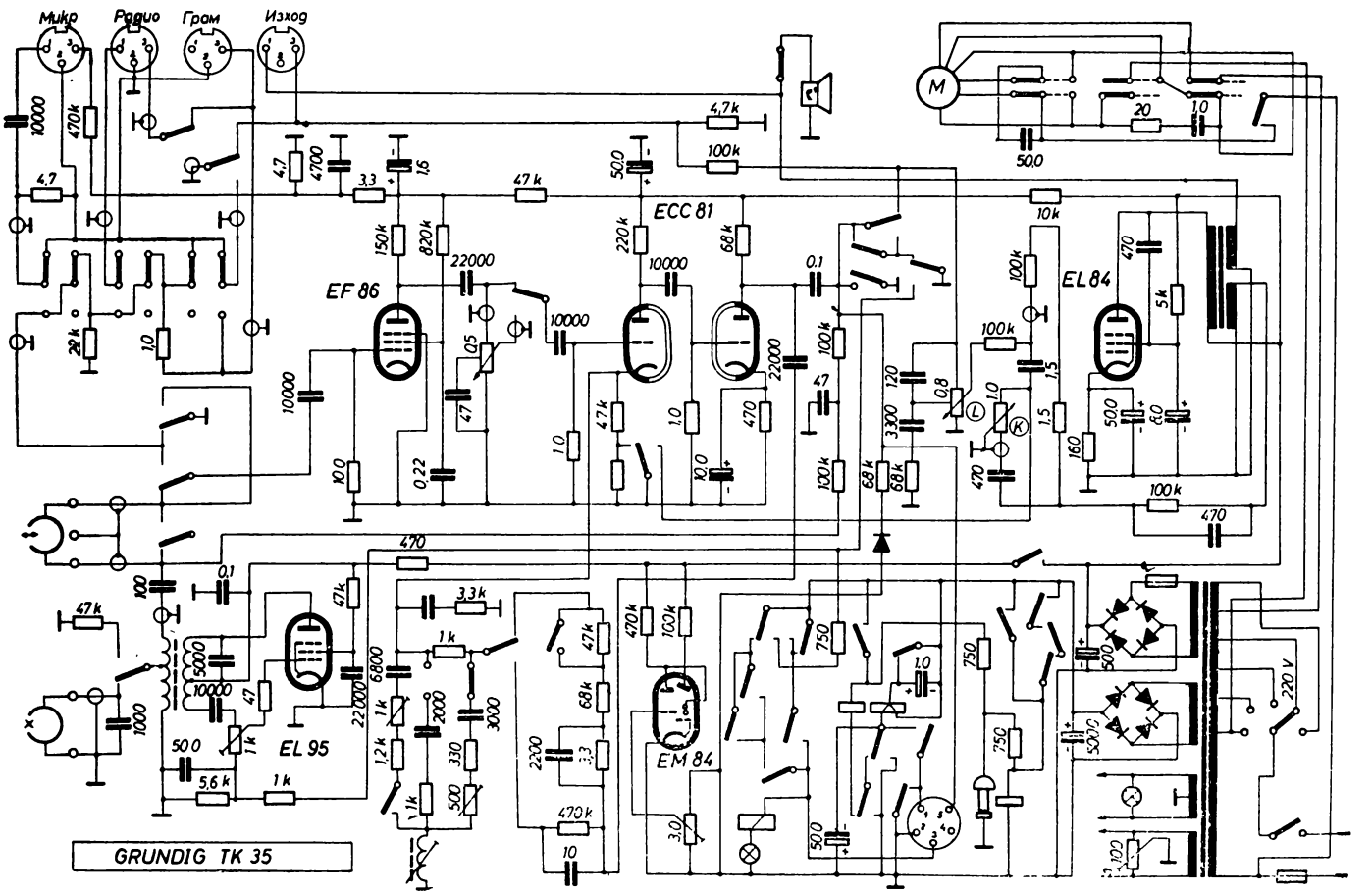
GRUNDIG EN3

Двупистов с касета; 4,25 cm/s
Честотна лента 300÷3000 Hz
Захранване от батерия
Тегло 0,385 kg

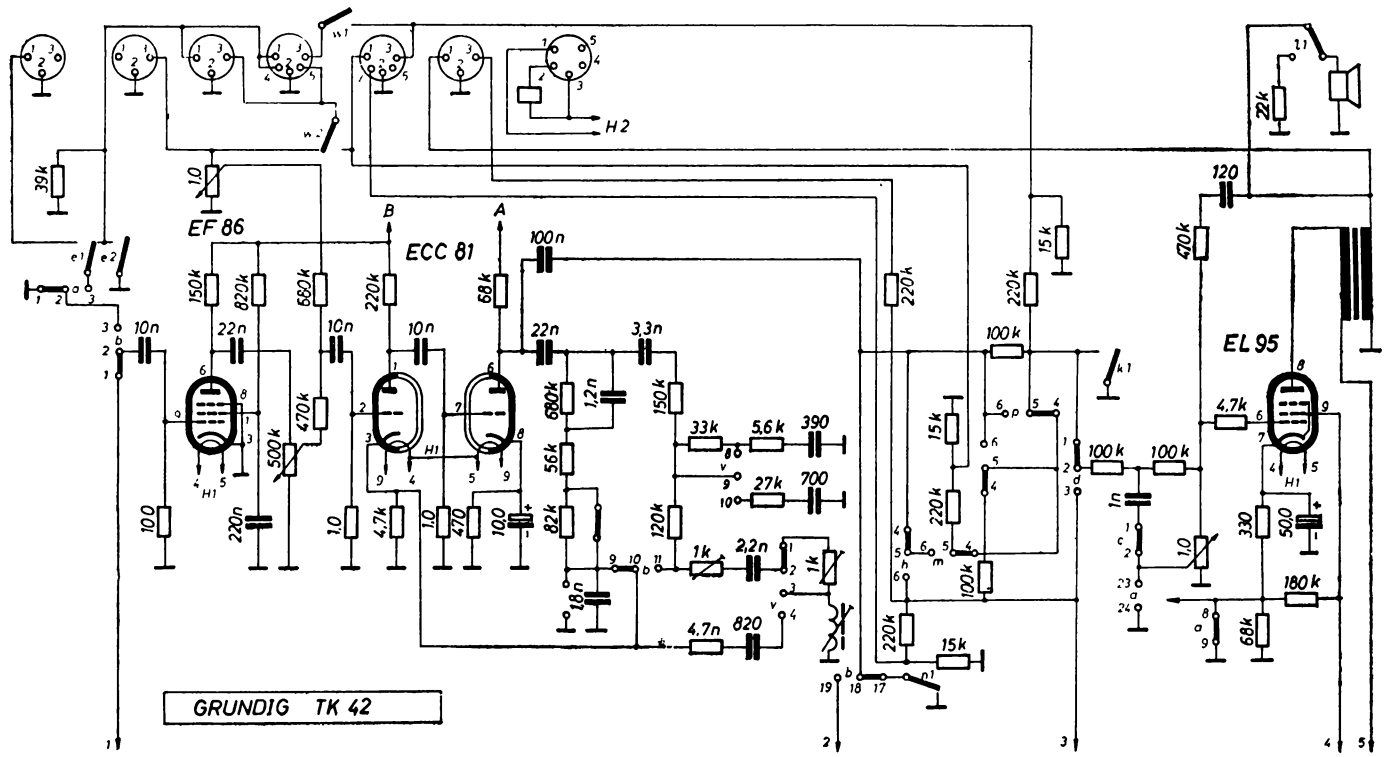


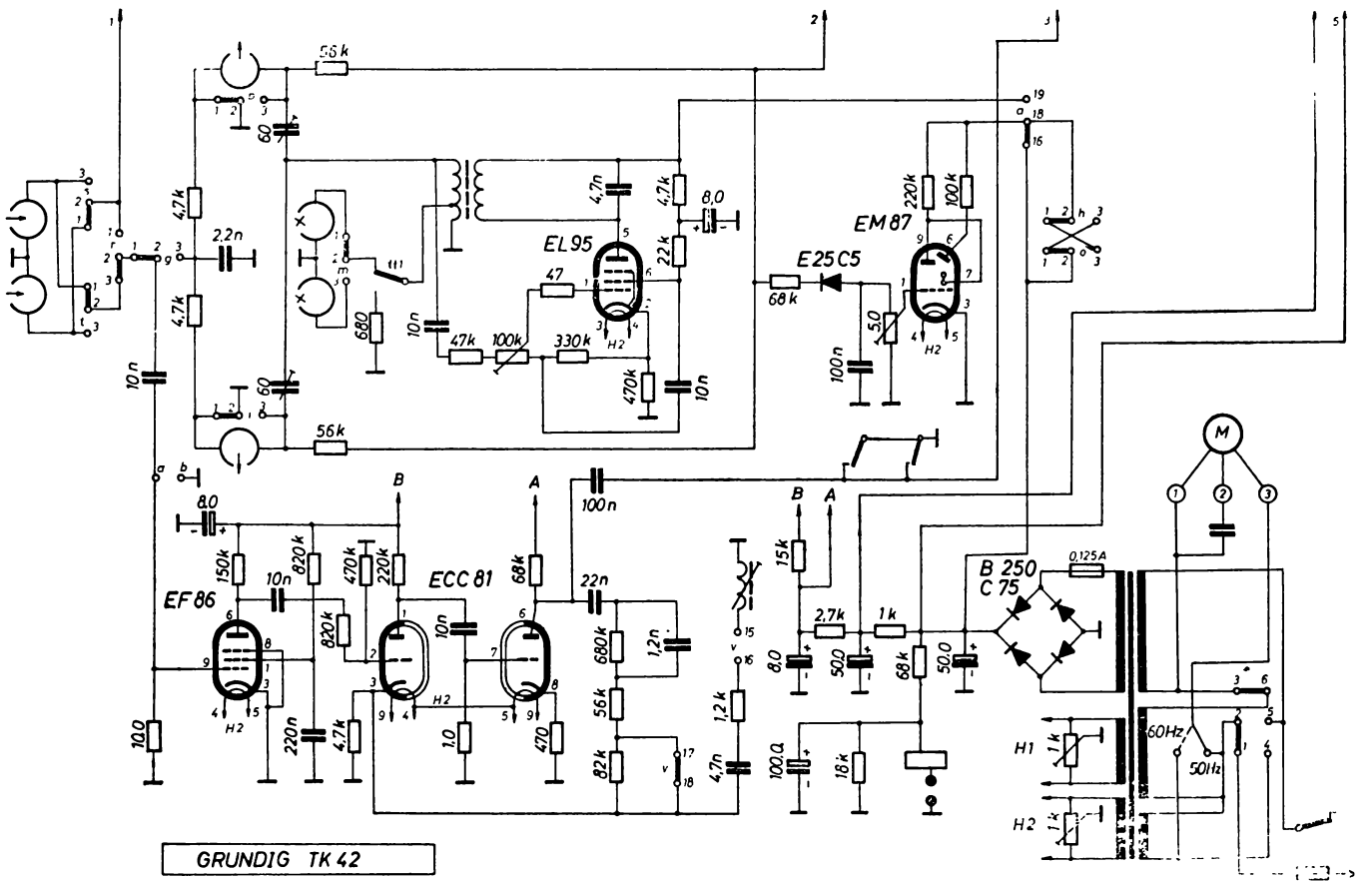
GRUNDIG EN 3

GRUNDIG TK 35



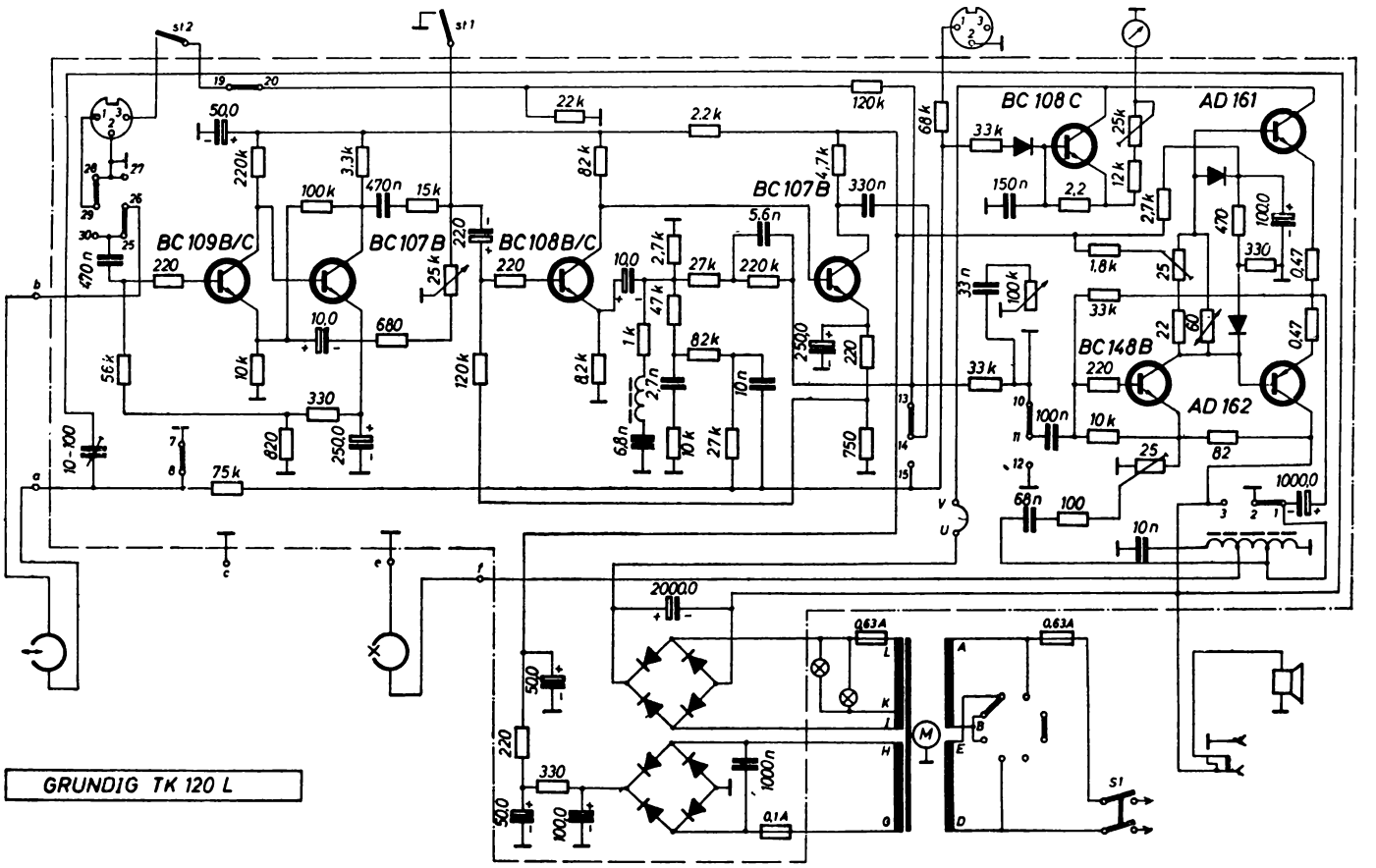
Двупистов; 9,5 cm/s
Честотна лента 66÷16000 Hz





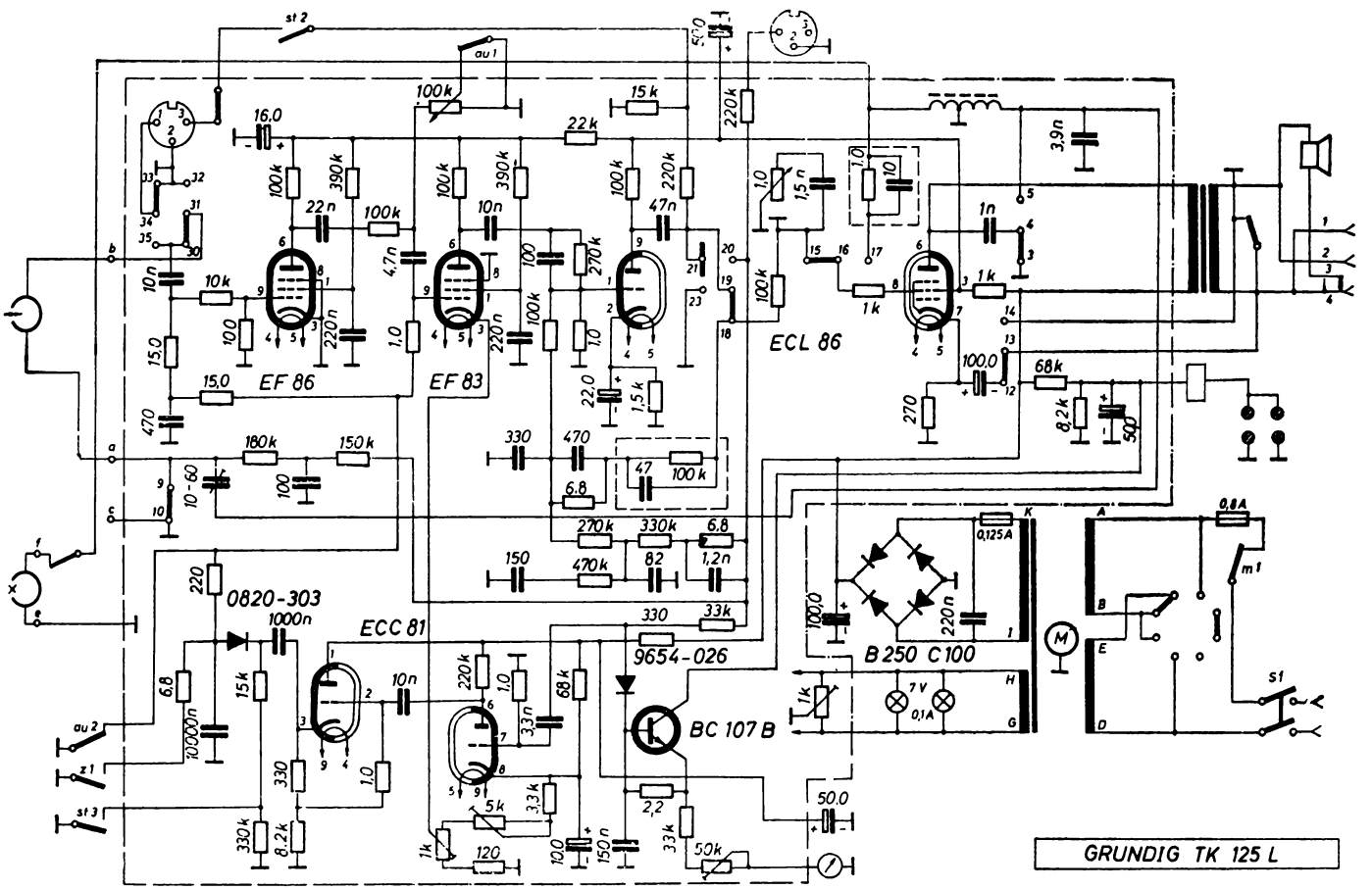
GRUNDIG TK 120L

Двупистов; 9,5 cm/s
Честотна лента 66÷16000 Hz



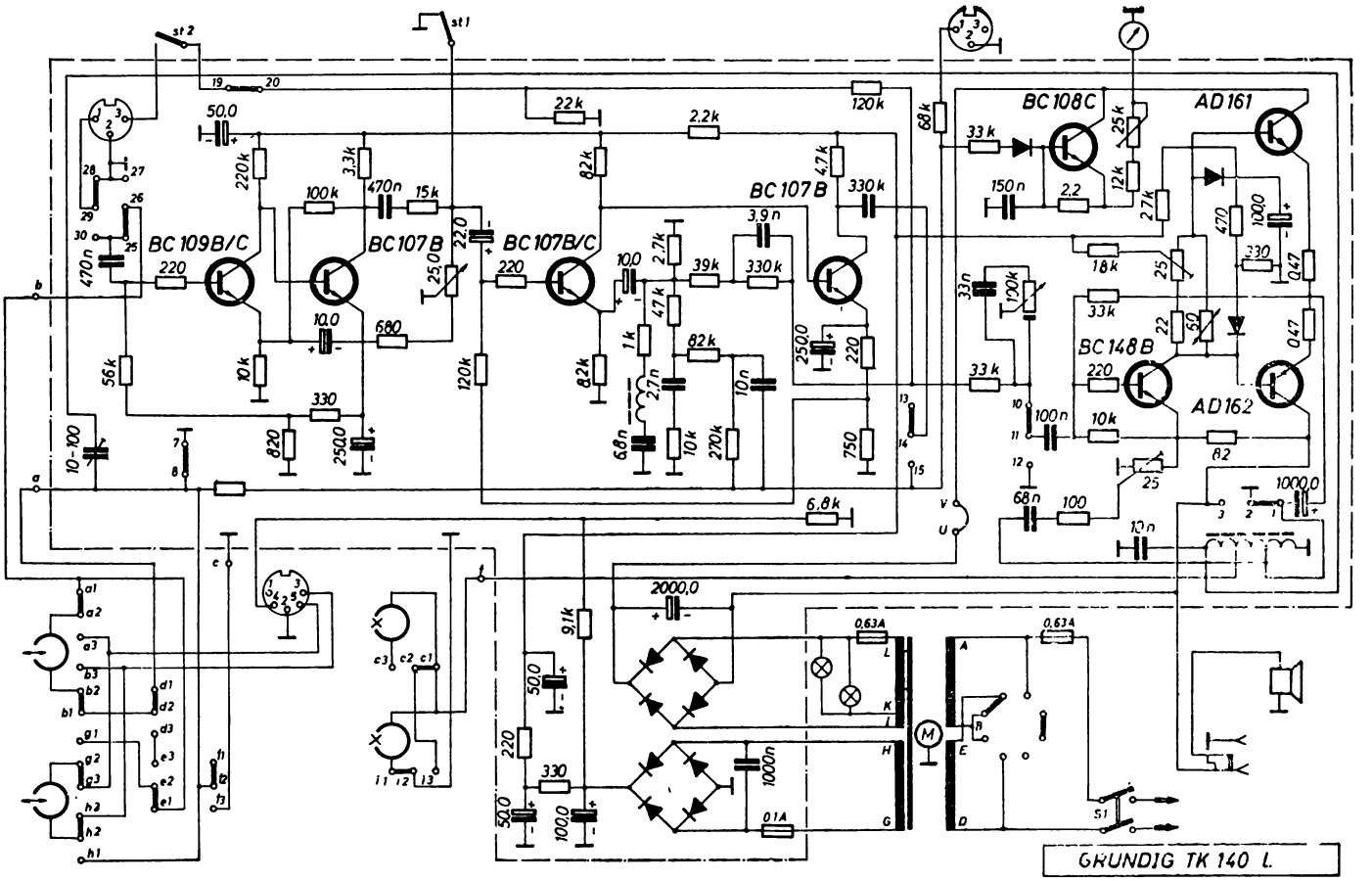
GRUNDIG TK 125 L

Двупистов; 9,5 cm/s
Честотна лента 66÷16000 Hz



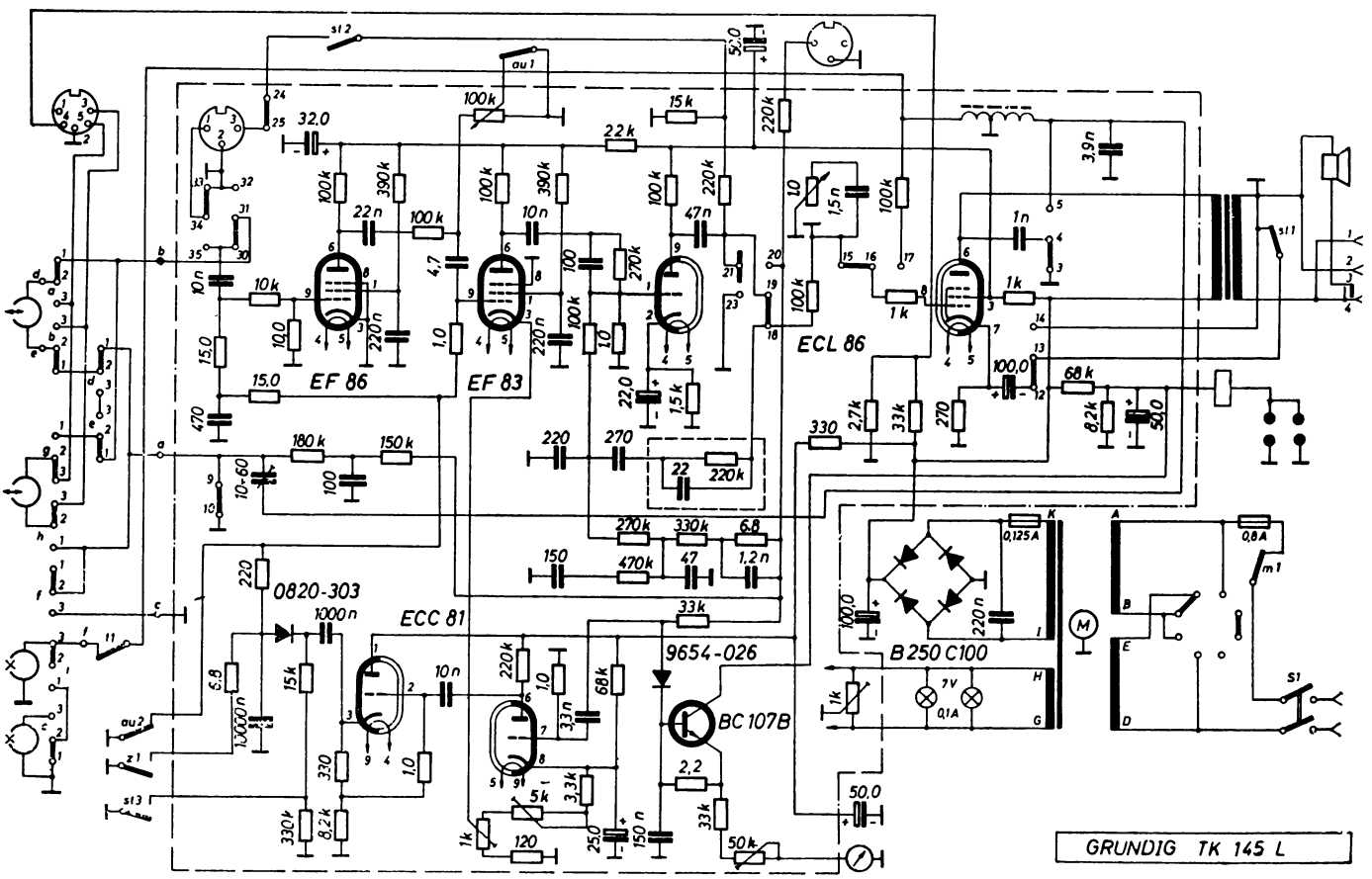
GRUNDIG TK 140 L

Четирипистов; 9,5 cm/s
Честотна лента 66÷16000 Hz



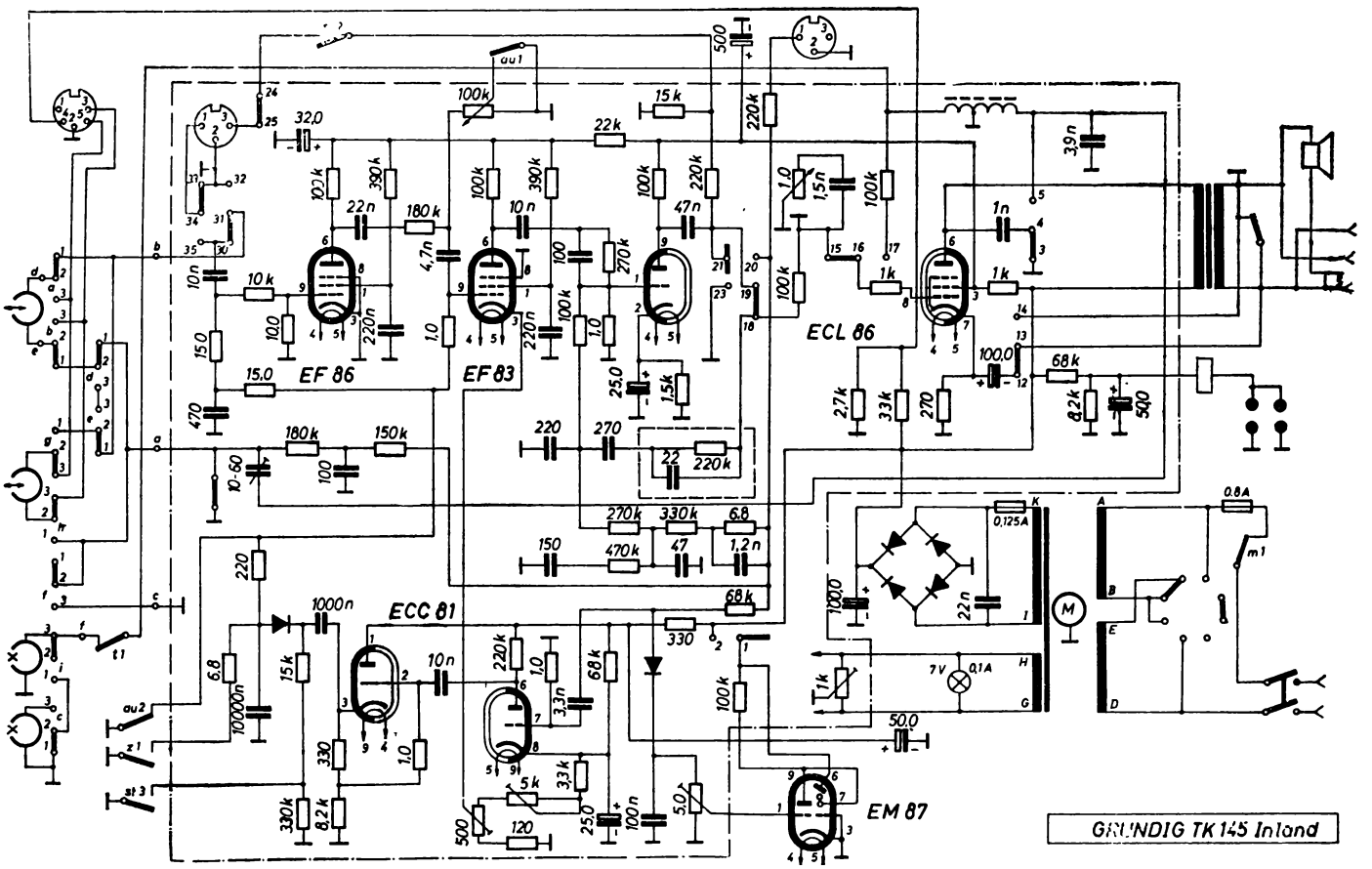
GRUNDIG TK 145 L

Четирипистов; 9,5 cm/s
Честотна лента 66÷16000 Hz



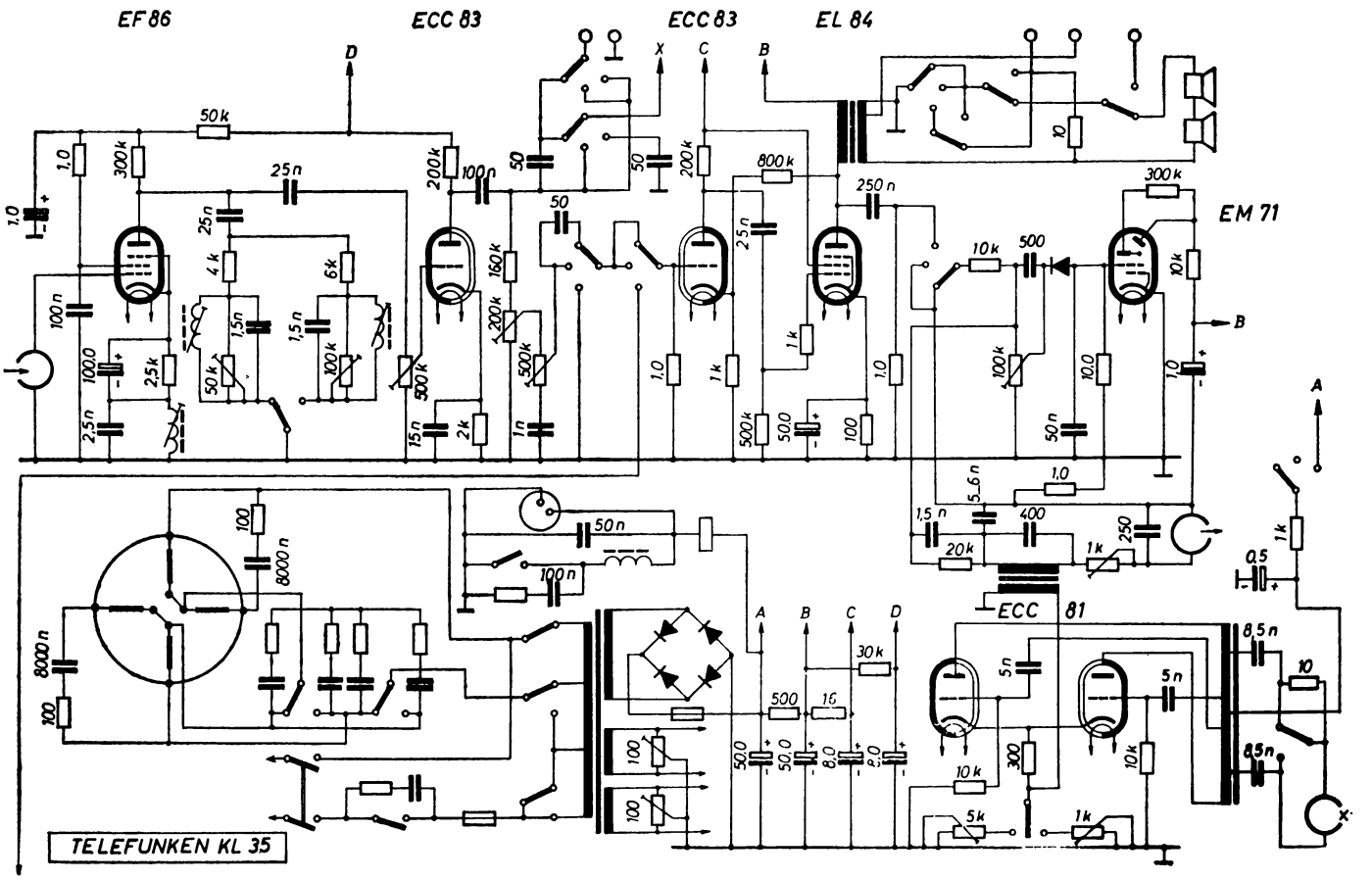
GRUNDIG TK 145 INLAND

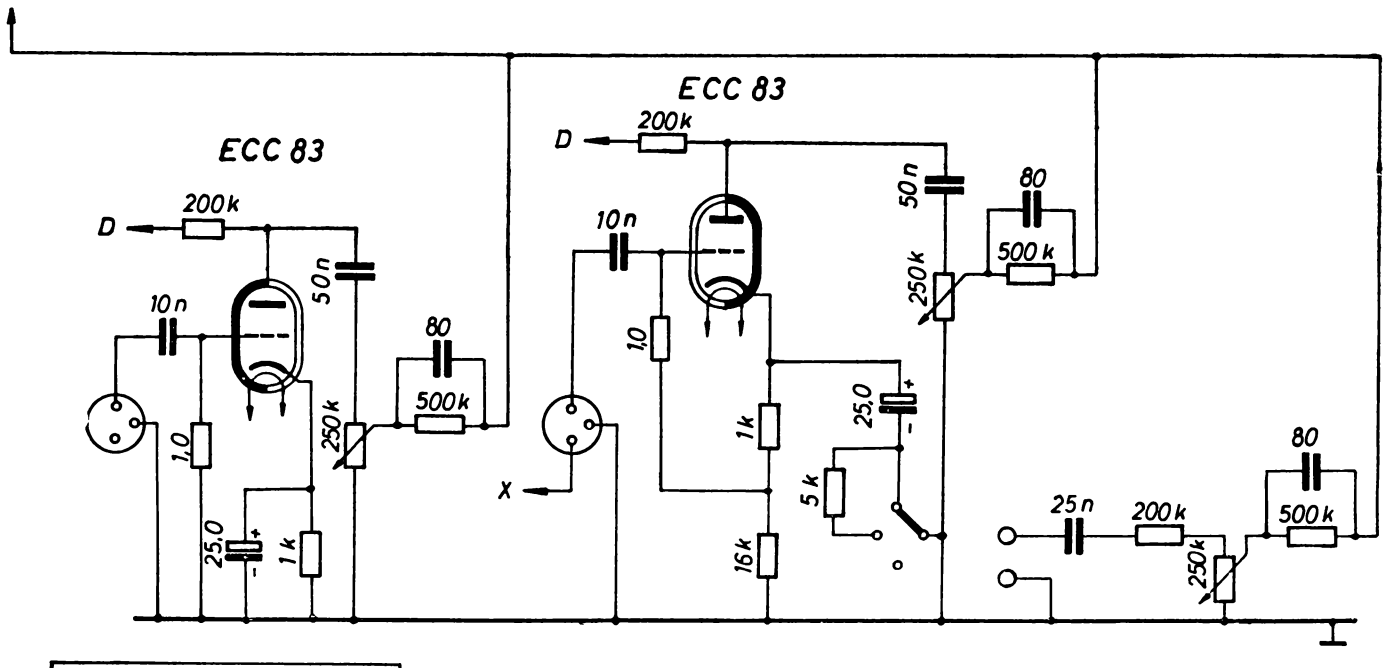
TK 145 V
Четирипистов
9,5 cm/s
Честотна лента 66÷16000 Hz

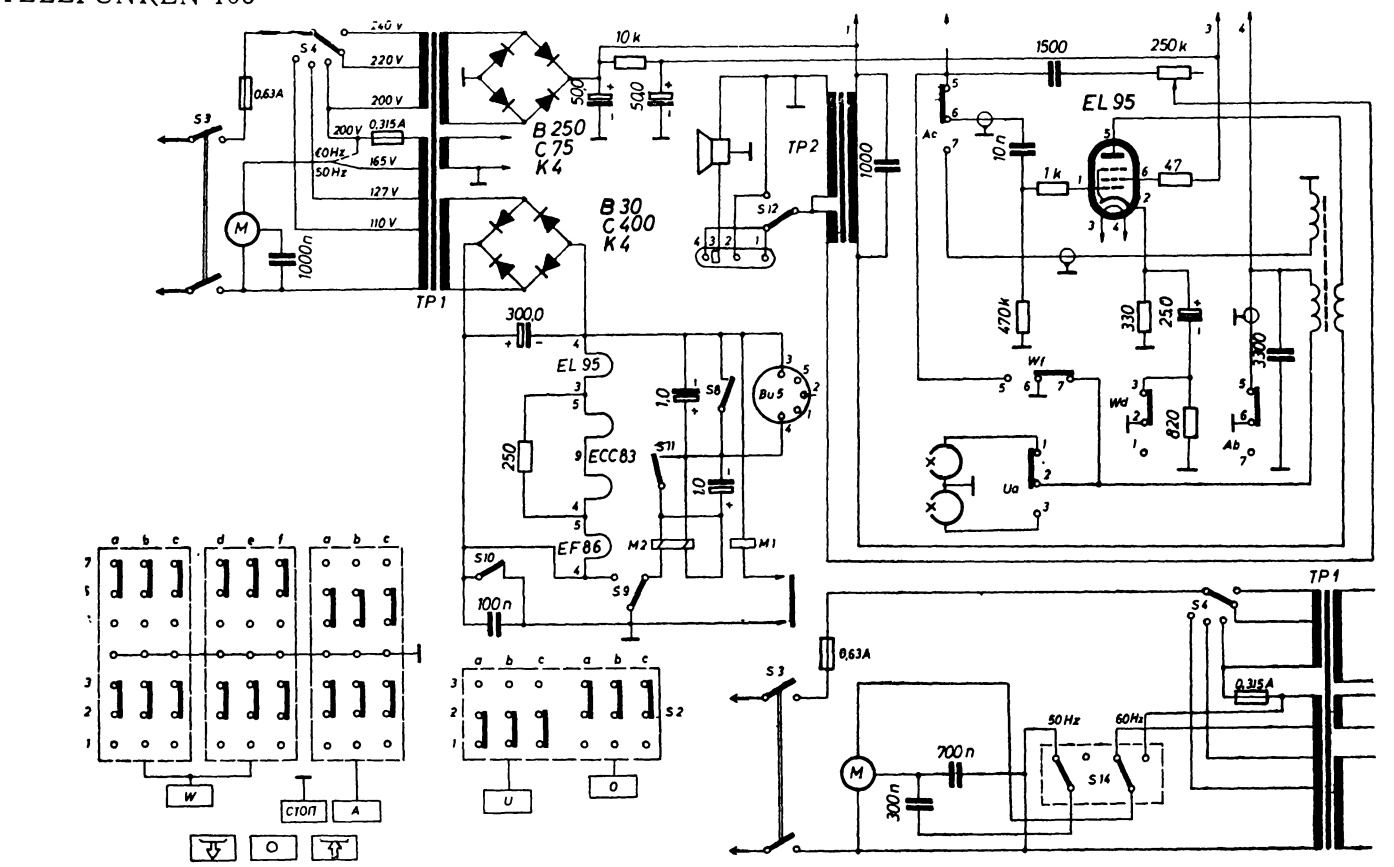


TELEFUNKEN KL 35

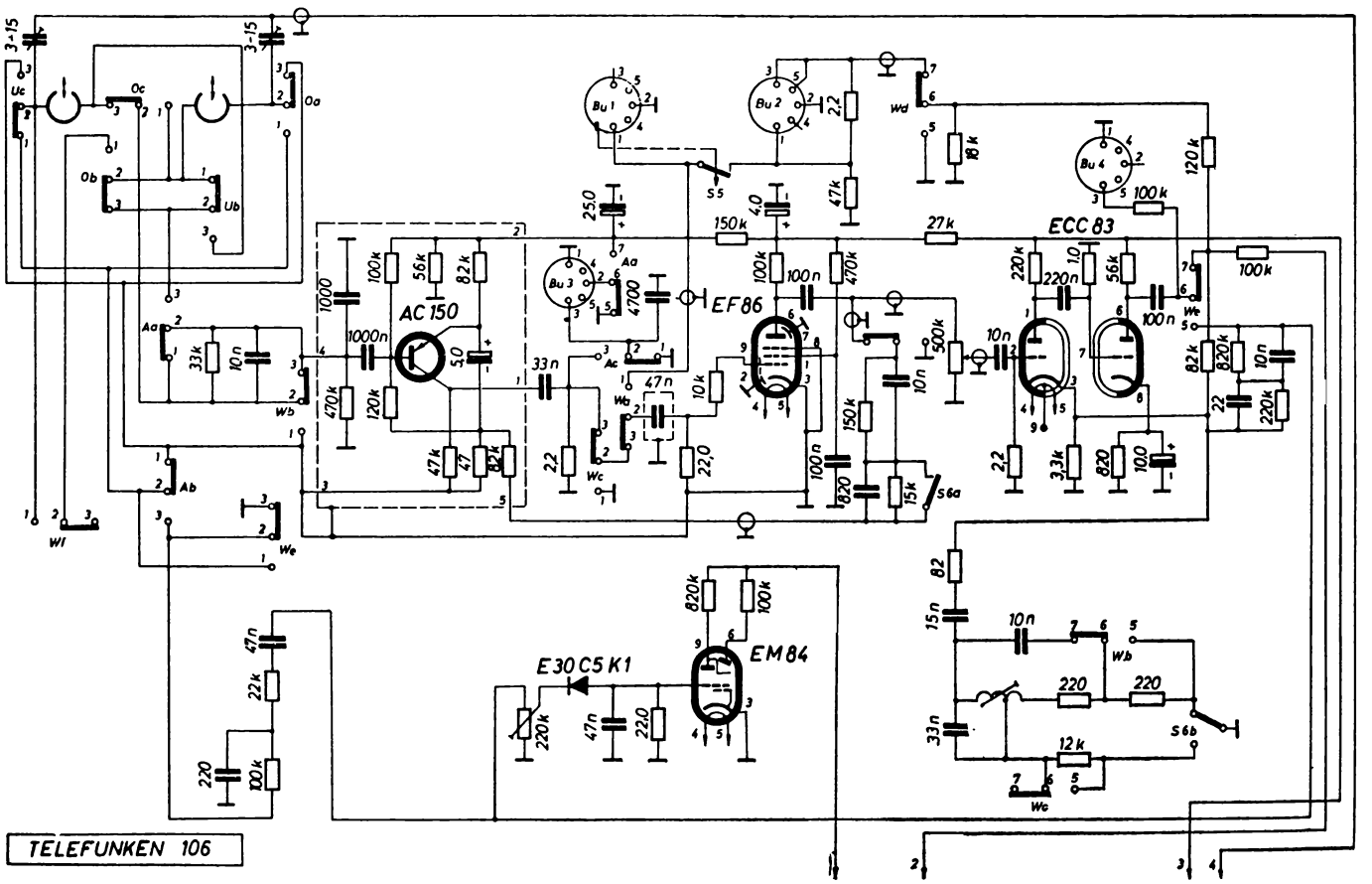
Двупистов ; 9,5 cm/s
Честотна лента 40÷16000 Hz
Тегло 18 kg



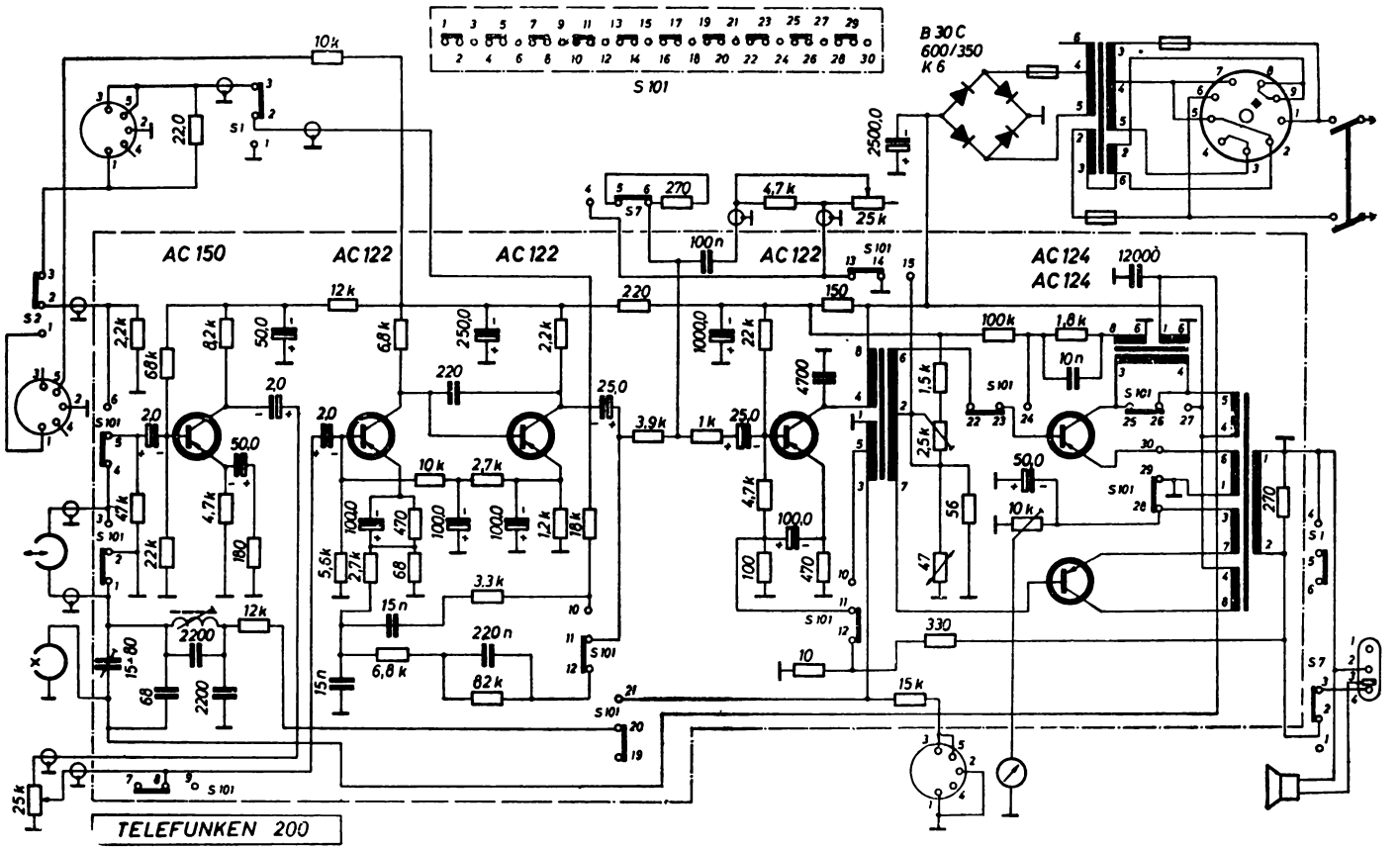


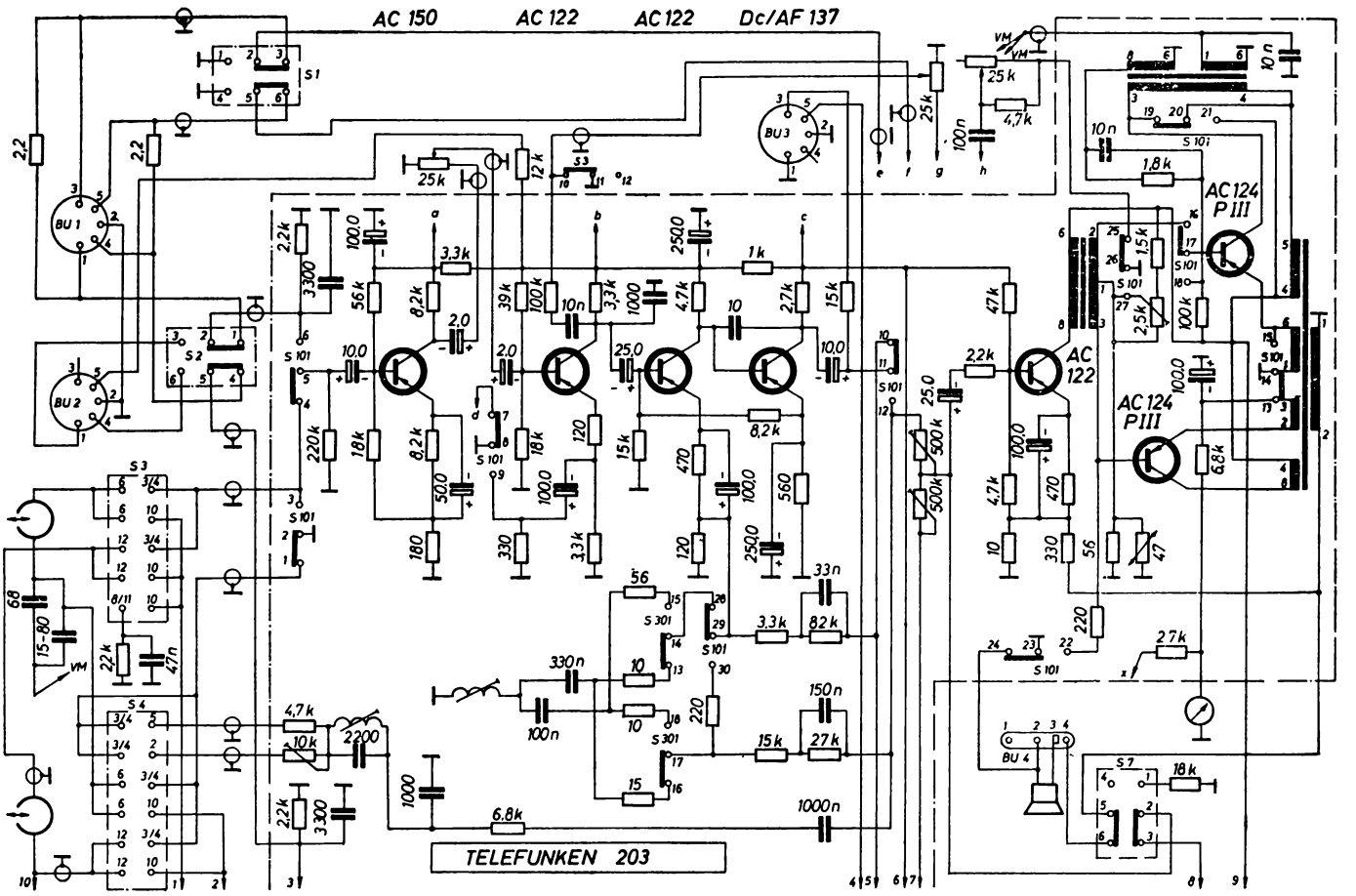


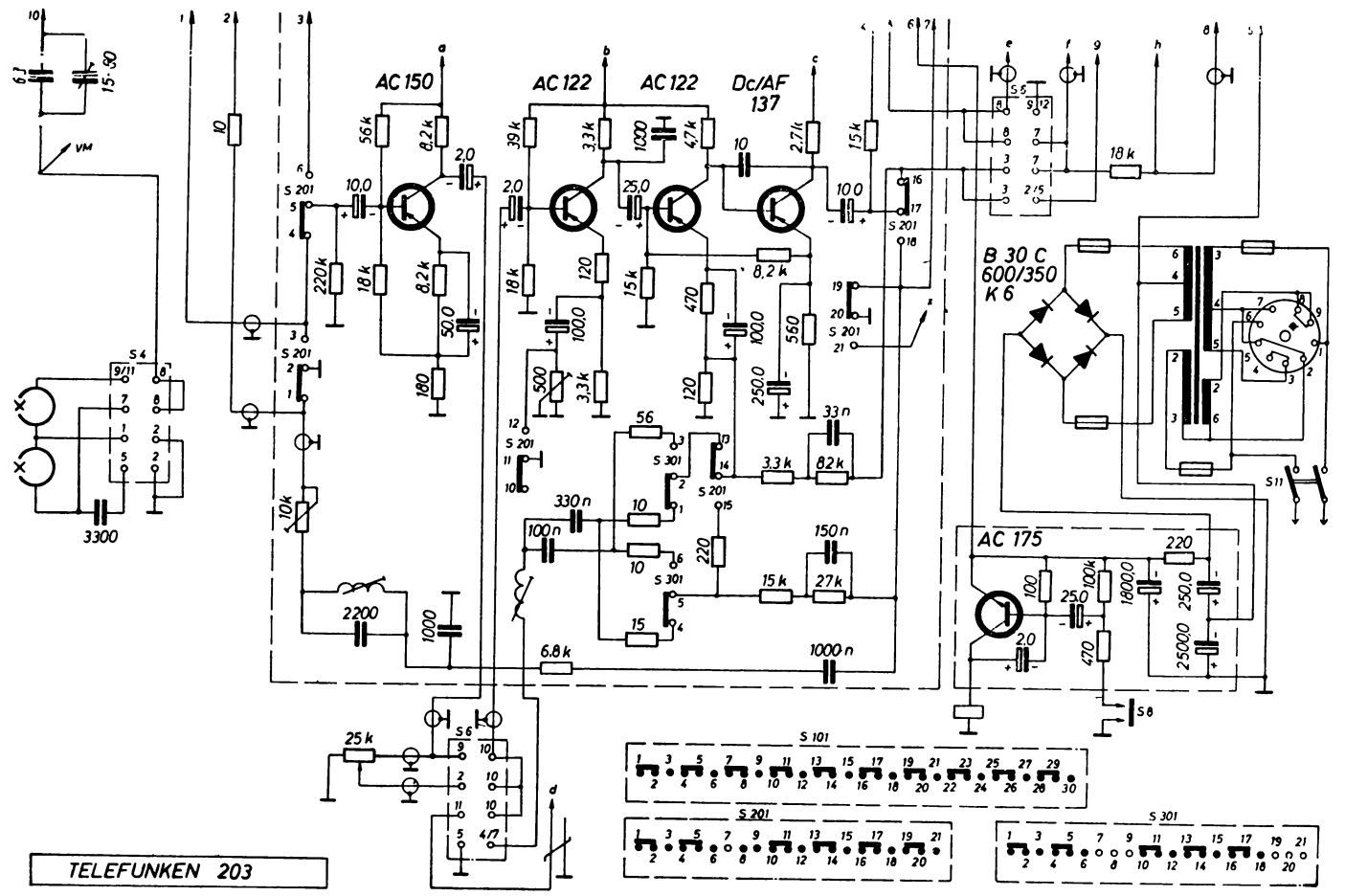
TELEFUNKEN 106



TELEFUNKEN 106


AC 150
AC 122
AC 122
AC 122
AC 124
AC 124
B 30 C
600/350
K 6
S 101
S1
S2
S7
TELEFUNKEN 200

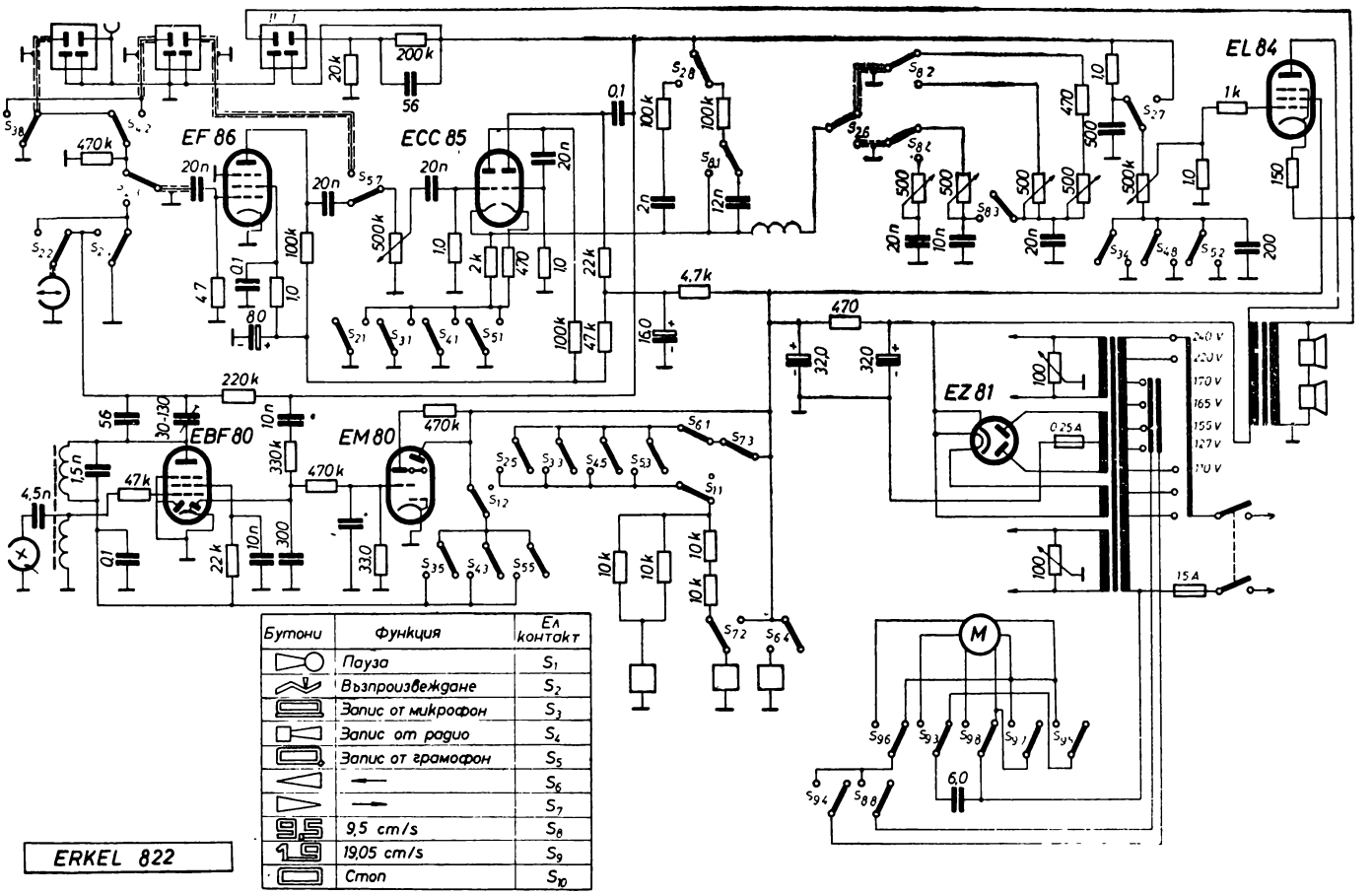

AC 150
AC 122
AC 122
Dc/AF 137
AC 124 PIII
AC 122
AC 124 PIII
TELEFUNKEN 203


AC 150
AC 122
AC 122
Dc/AF 137
B 30 C 600/350 K 6
AC 175
S 101
S 201
S 301
TELEFUNKEN 203

УНГАРСКИ МАГНЕТОФОНИ

ERKEL 822

Двупистов; 19,05 cm/s и 9,5 cm/s
Честотна лента 60÷6200 Hz
респ. 60÷12000 Hz
Захранване от мрежа

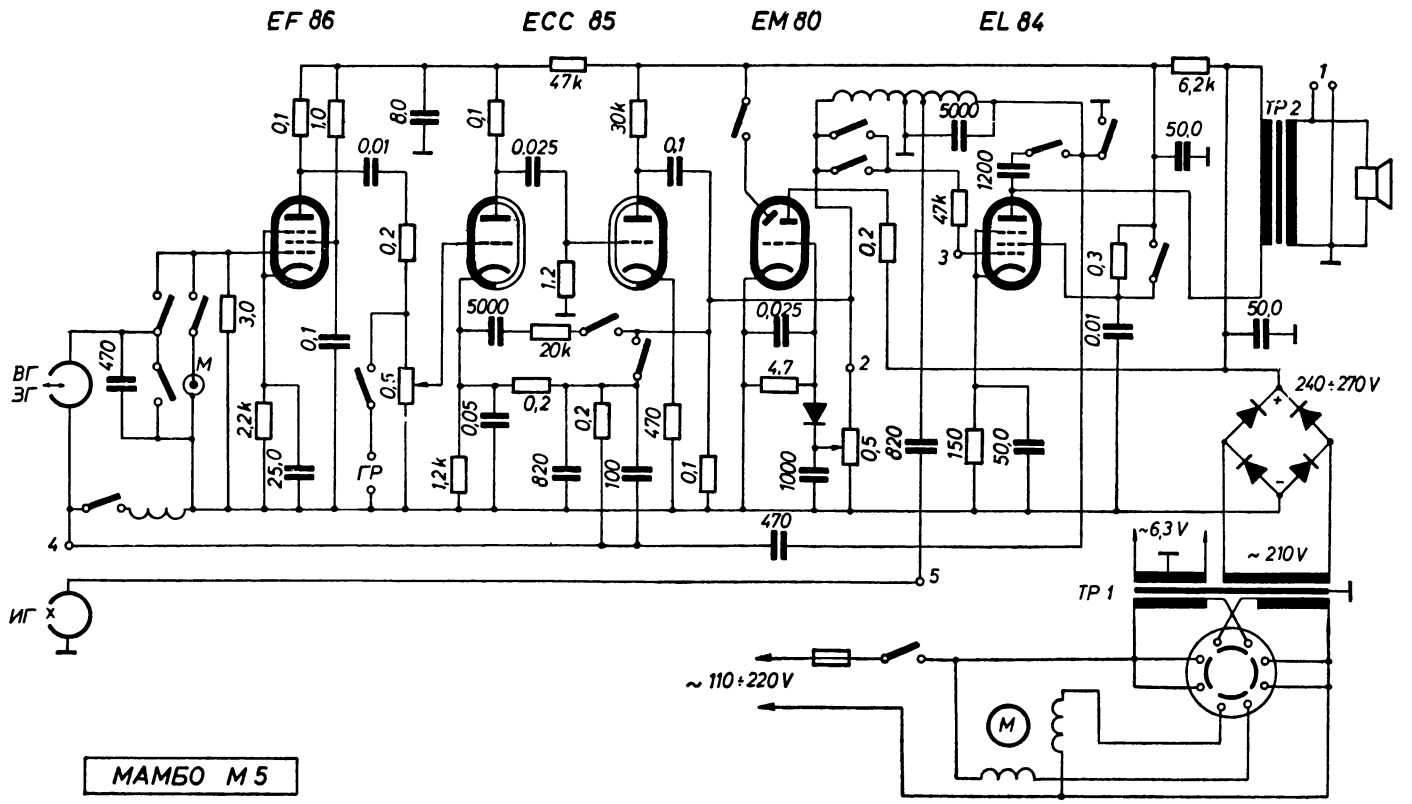


Бутони	Функция	ЕЛ контакт
	Пауза	S_1
	Възпроизвеждане	S_2
	Запис от микрофон	S_3
	Запис от радио	S_4
	Запис от грамофон	S_5
	—	S_6
	—	S_7
9,5	9,5 cm/s	S_8
19,5	19,05 cm/s	S_9
	Стоп	S_{10}

МАМВО М5

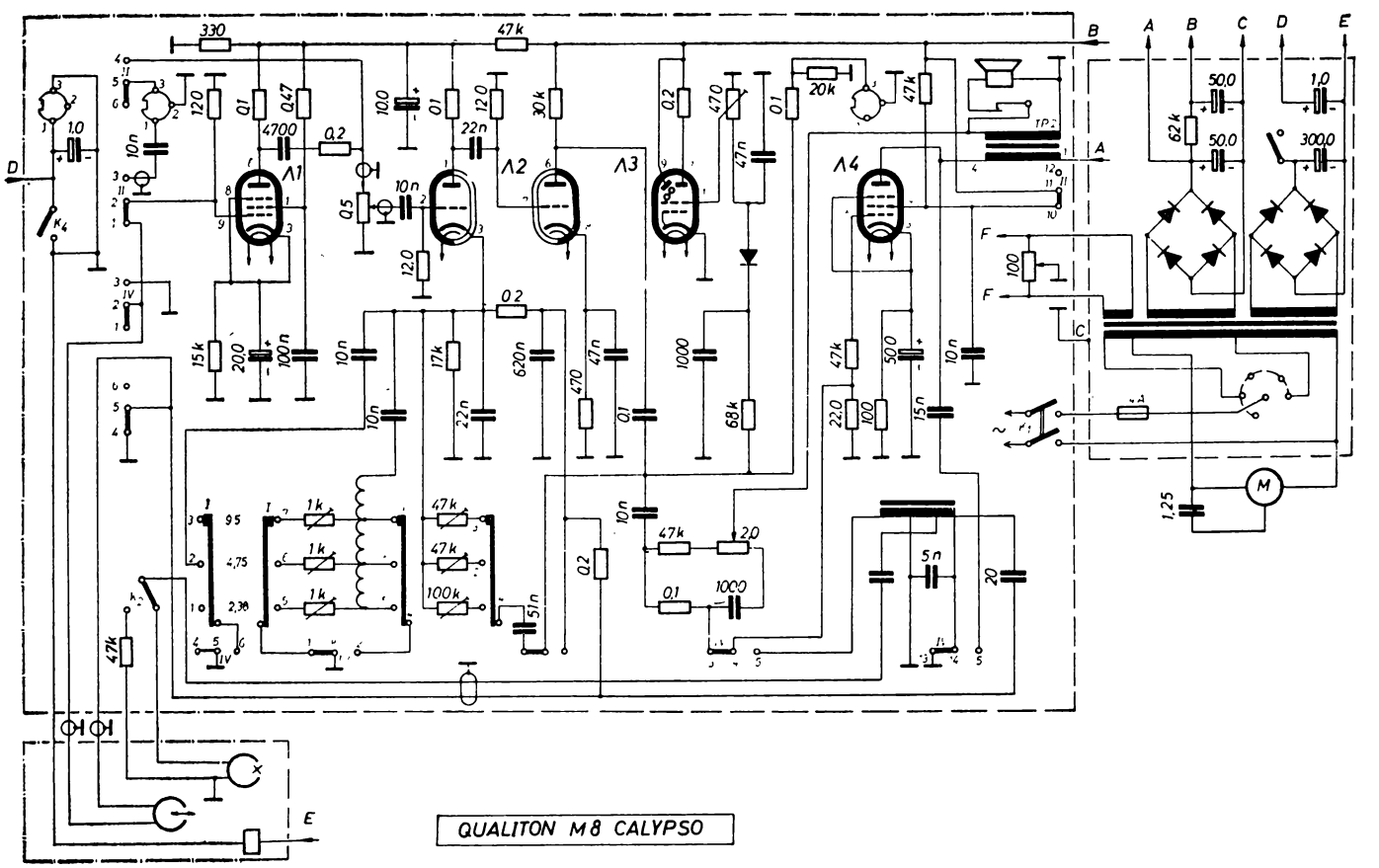
Двупистов; 9,5 cm/s
Честотна лента 50÷10000Hz

Захранване от мрежа
Тегло 8,5 kg



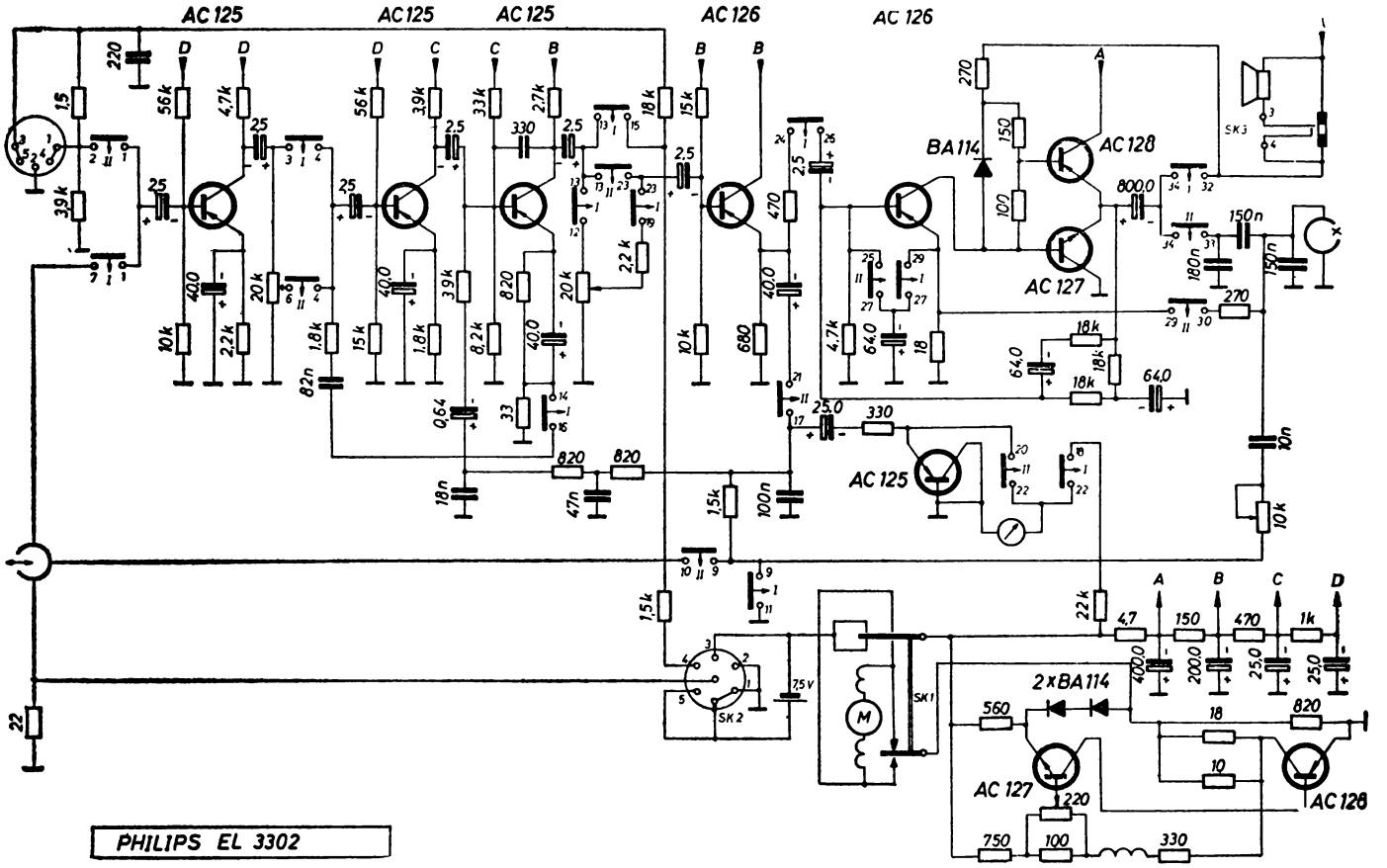
QUALITON M8 (CALYPSO)

Двупистов; 9,5 cm/s, 4,76 cm/s и 2,38 cm/s
Честотна лента 60÷12000 Hz
респ. 60÷6000 Hz
респ. 60÷3000 Hz
Тегло 9,7 kg



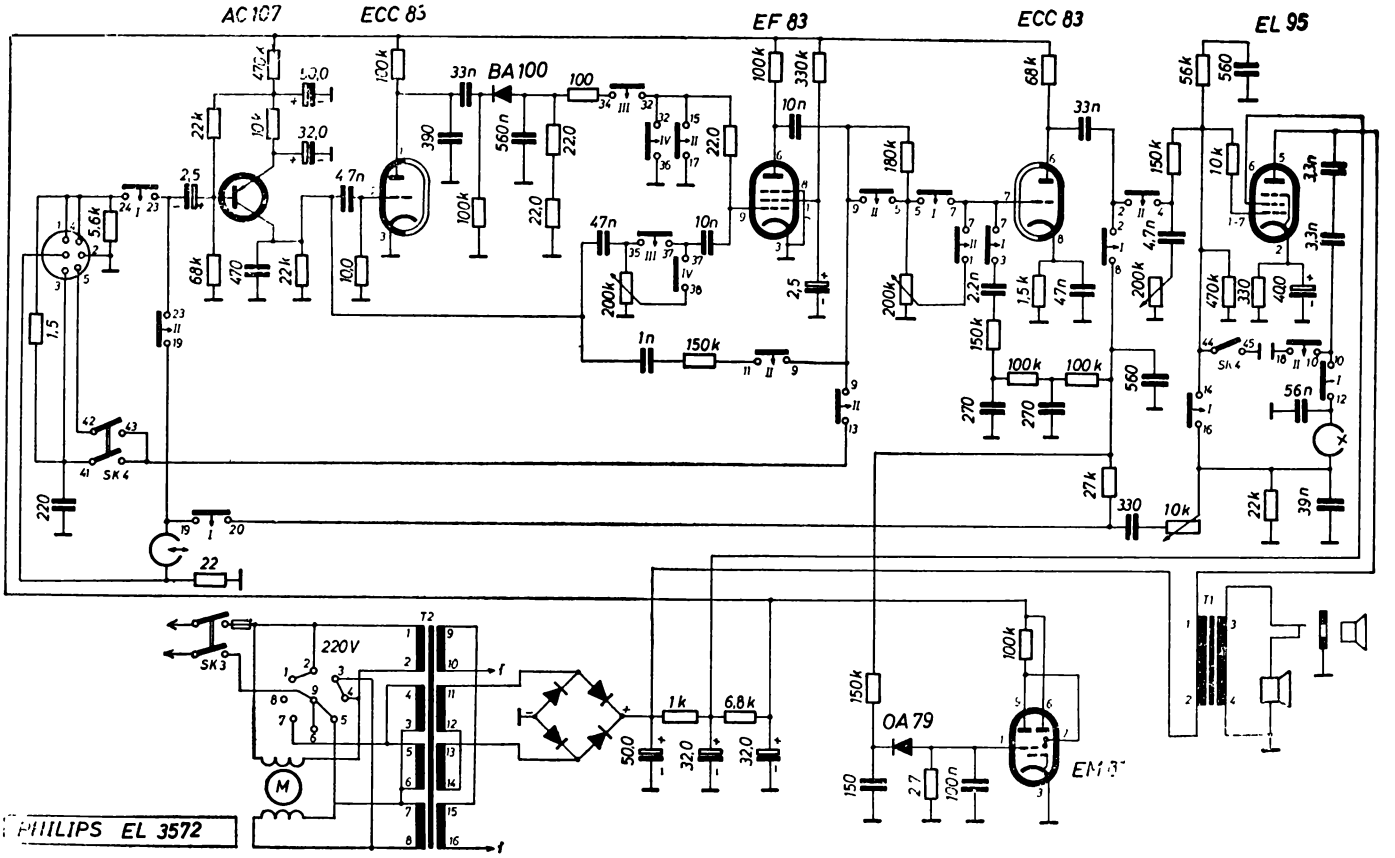
PHILIPS EL3302/00
EL3302/12D EL3302/22D
EL3302/20D EL3302/29D

Касетен тип; 4,76 cm/s
Честотна лента 80÷1000 Hz
Тегло 1,1 kg

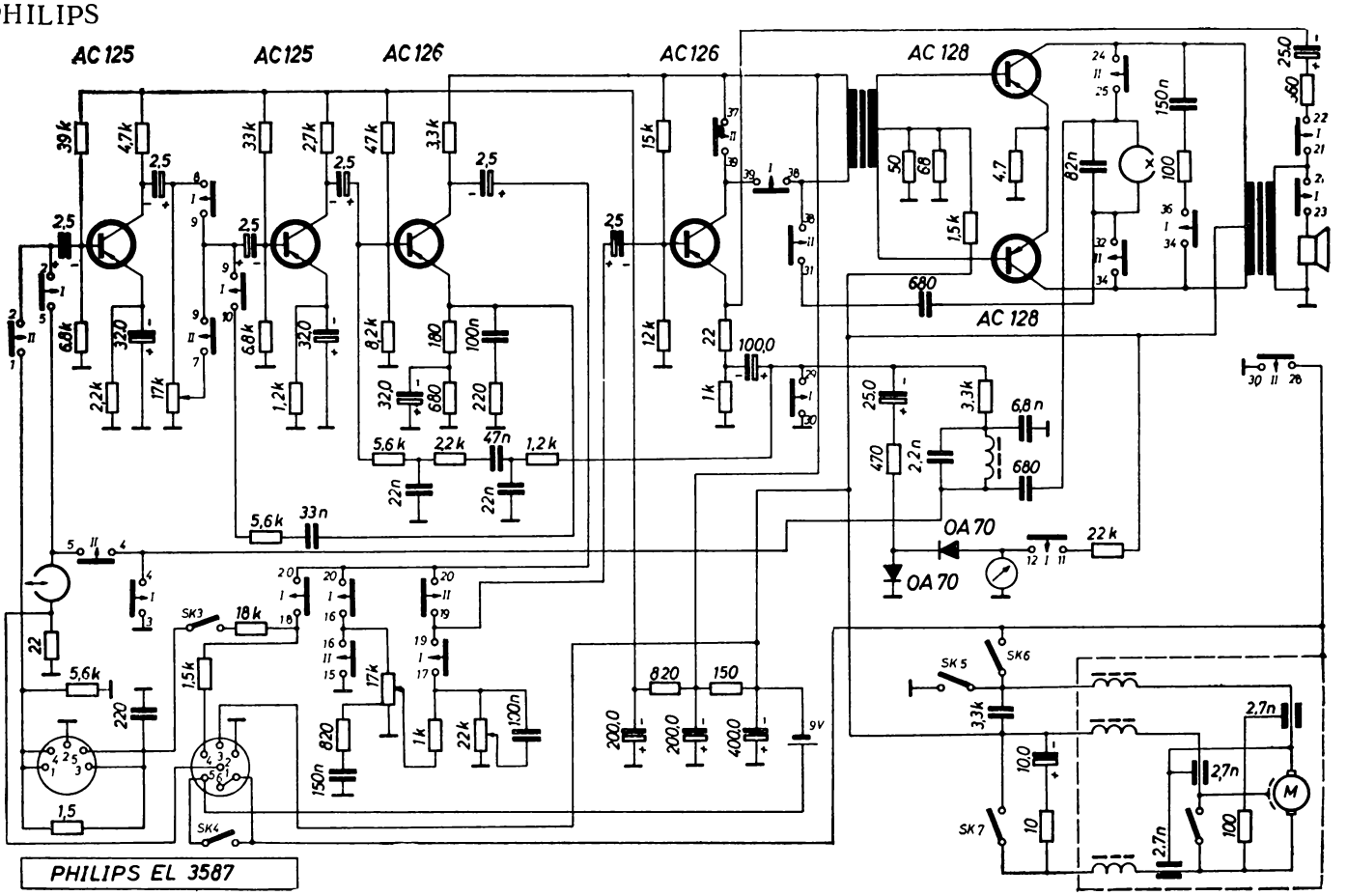


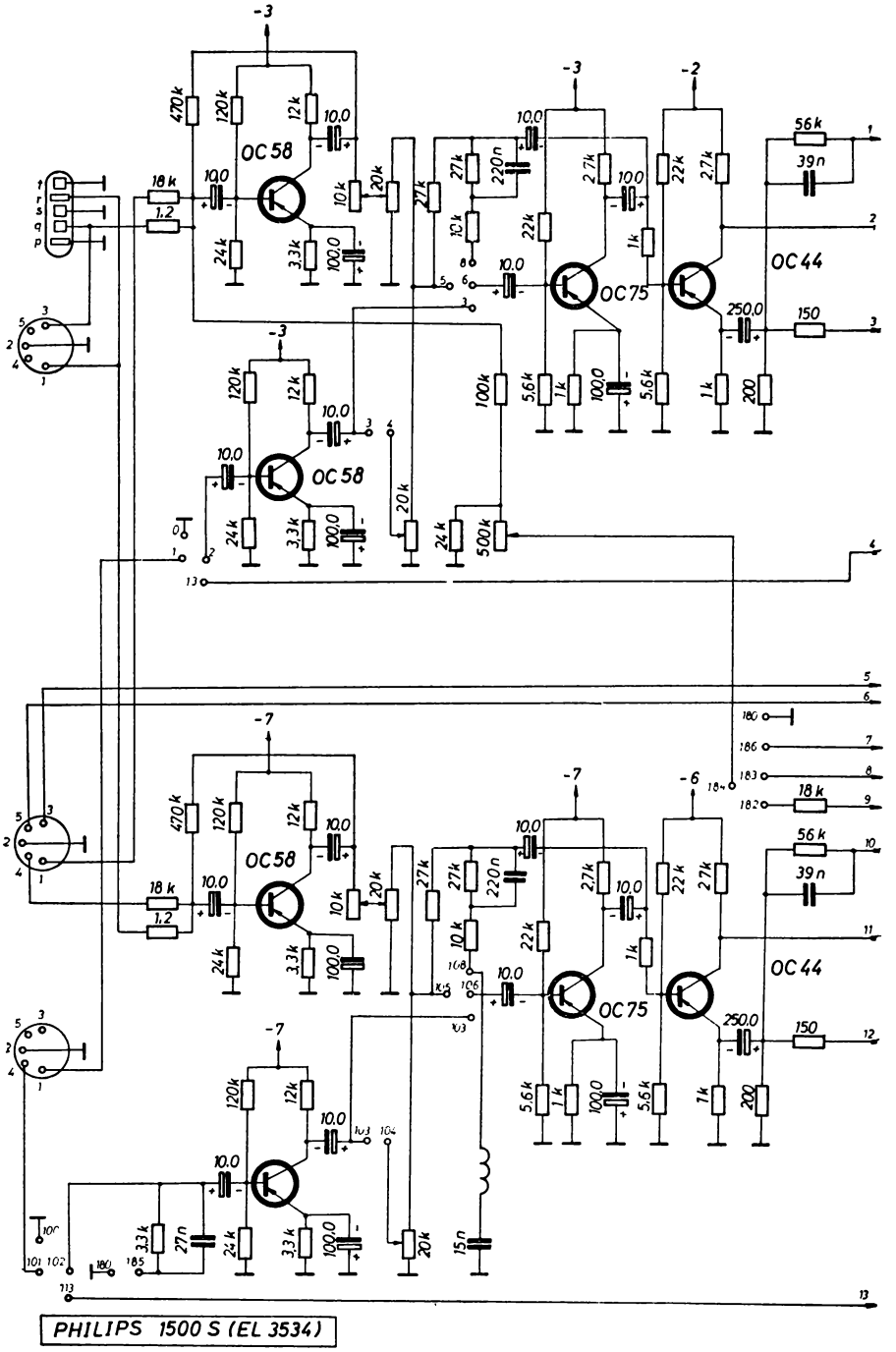
PHILIPS EL3572/00 EL3572/01 EL3572/22 EL3572/43 EL3572A/00 EL3572A/15 EL3572A/16 EL3572A/17 EL3572A/19 EL3572A/32

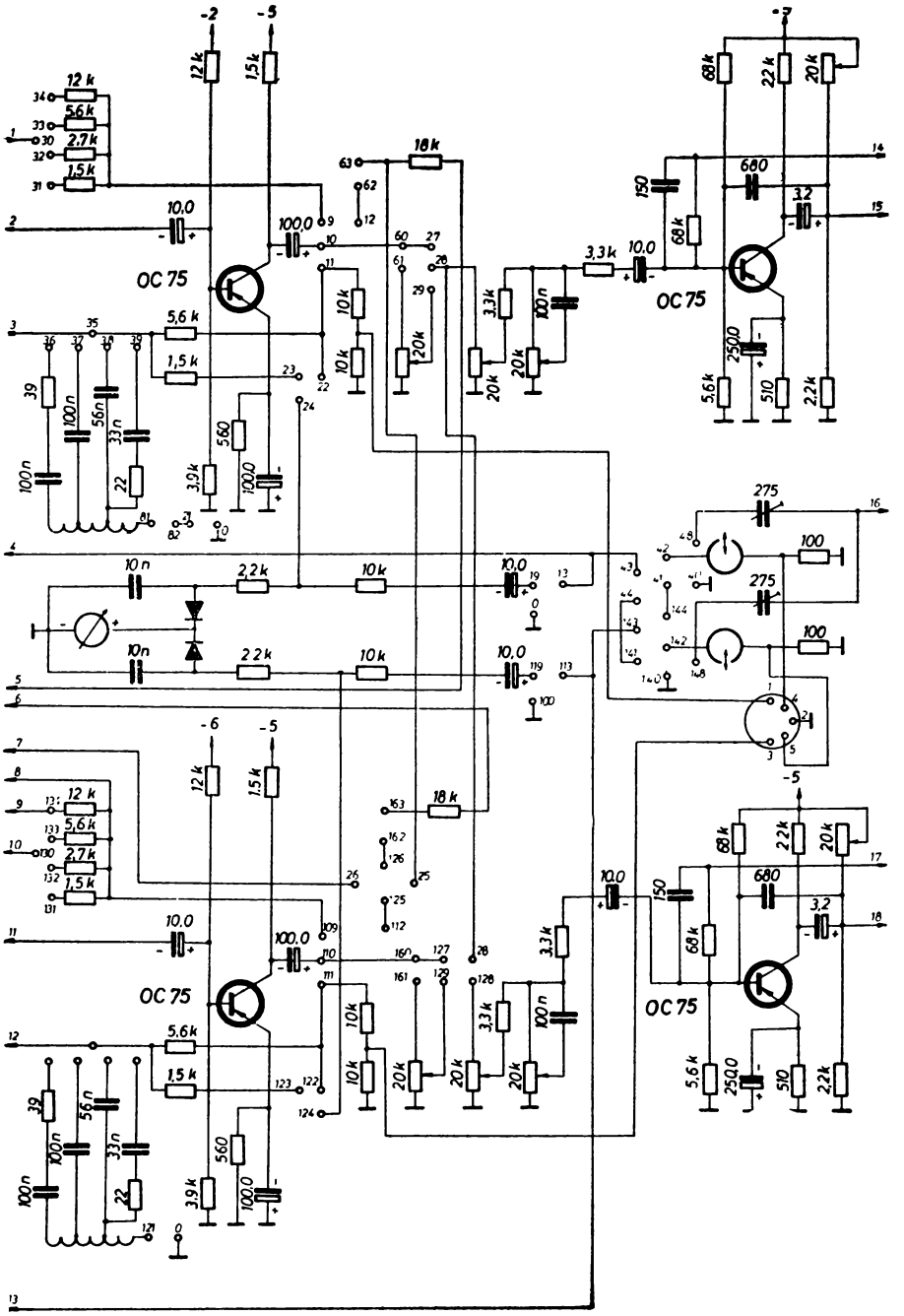
Четирипистов; 9,5 cm/s
Честотна лента 80÷10000 Hz
Тегло 6 kg

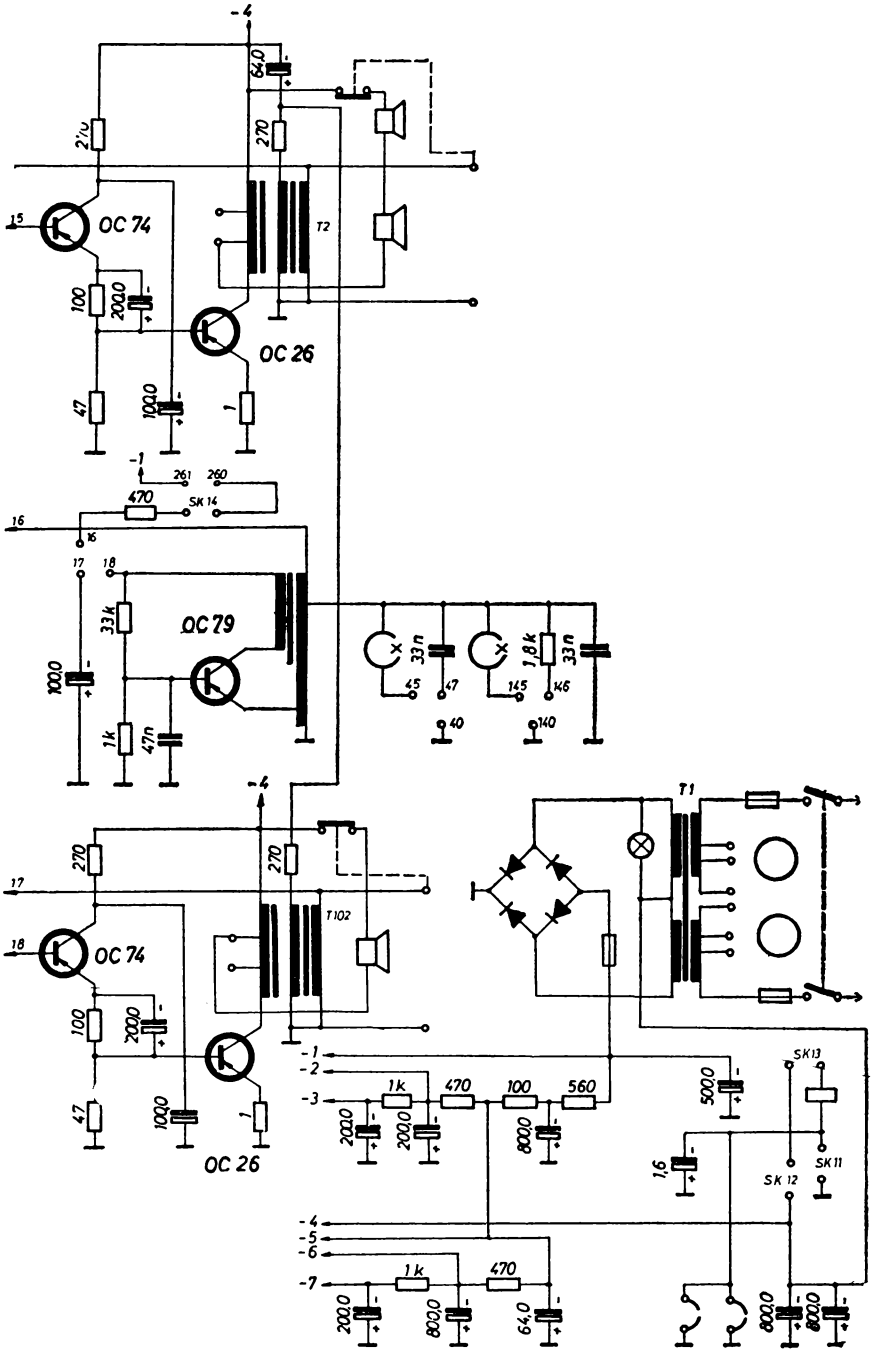


PHILIPS

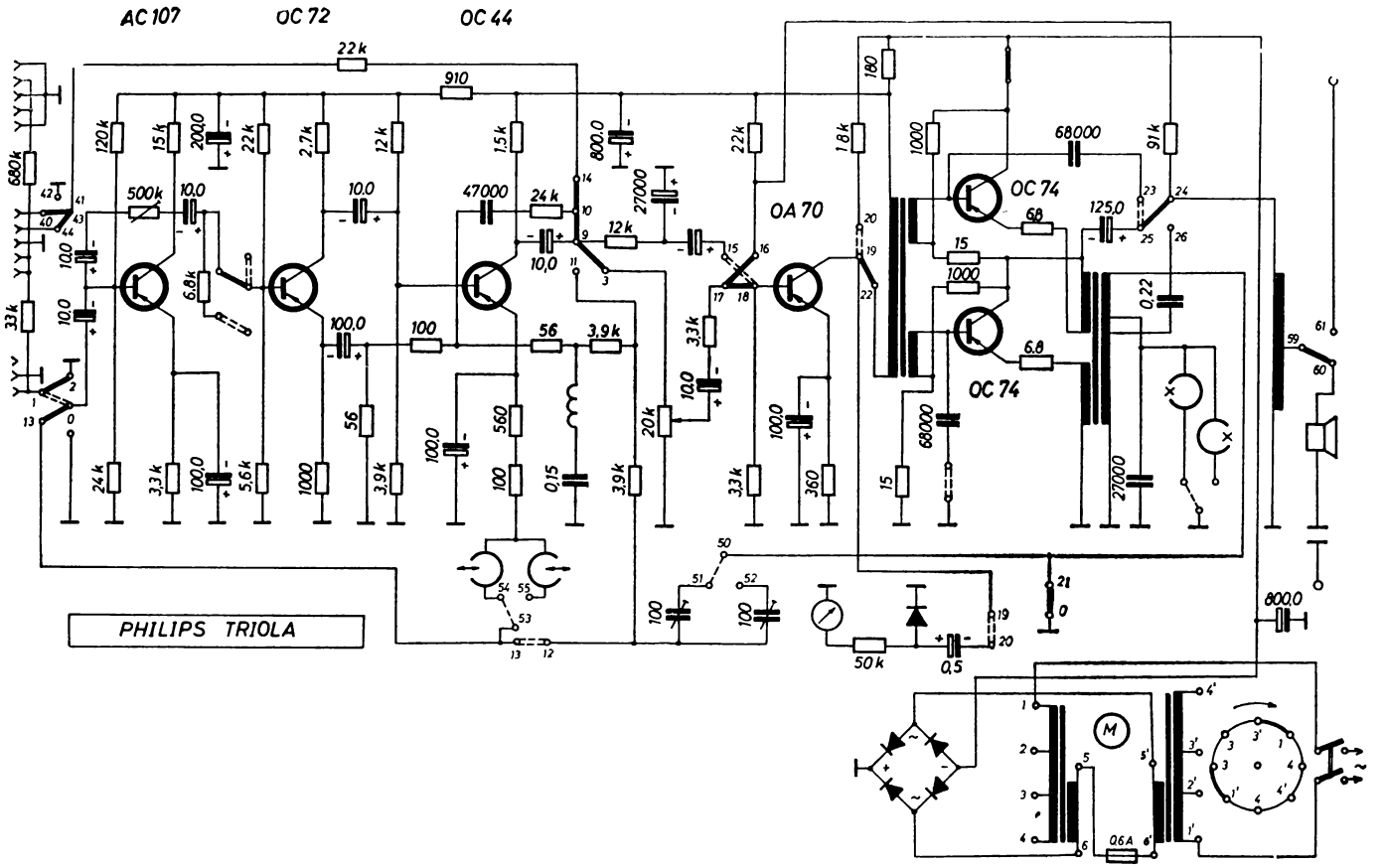



OC58
OC75
OC44
PHILIPS 1500 S (EL 3534)


OC 75
OC 75
OC 75
OC 75
PHILIPS 1500 S (EL 3534)

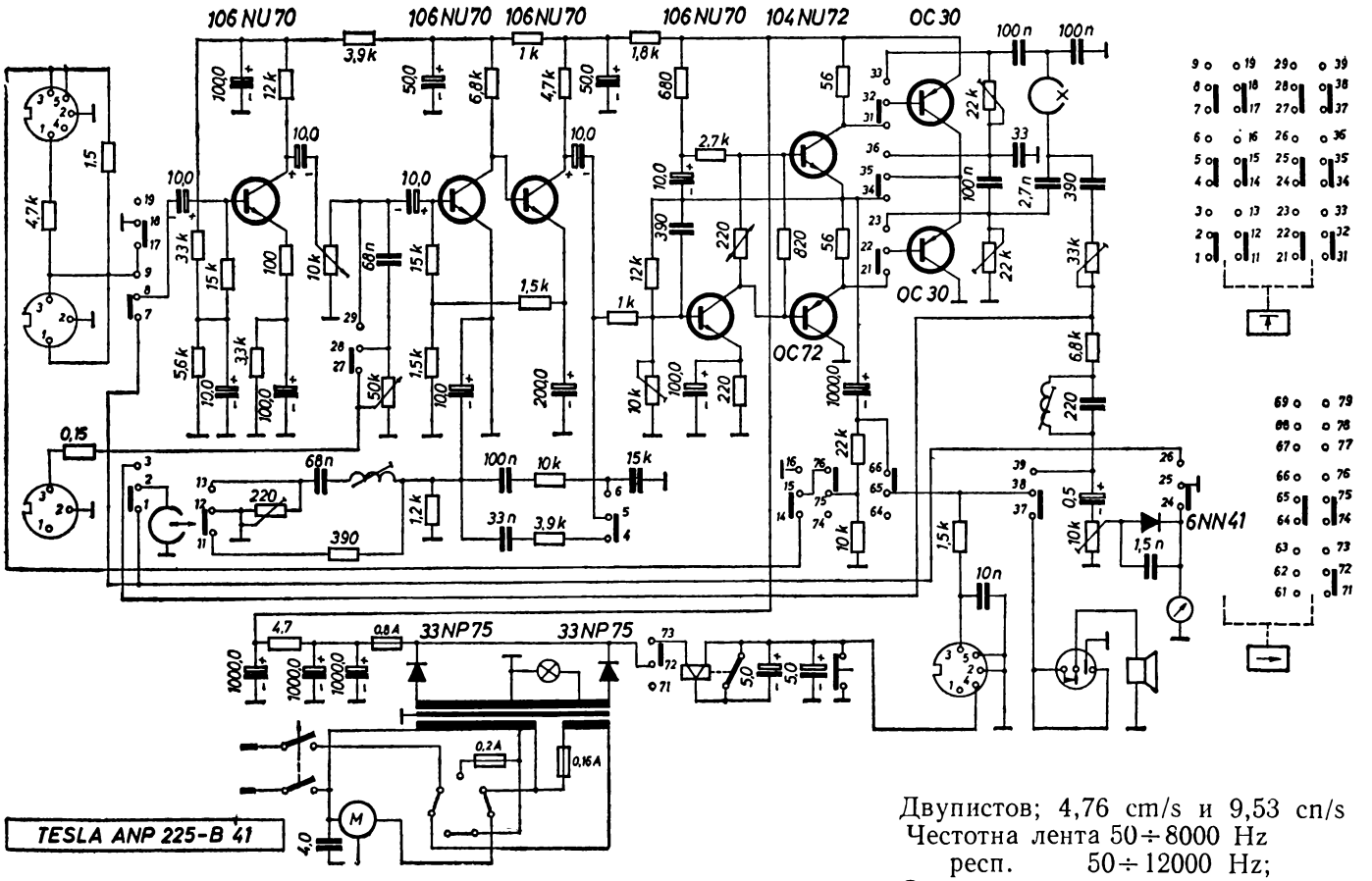


PHILIPS 1500 S (EL 3534)


AC 107
OC 72
OC 44
OA 70
OC 74
OC 74
PHILIPS TRIOLA

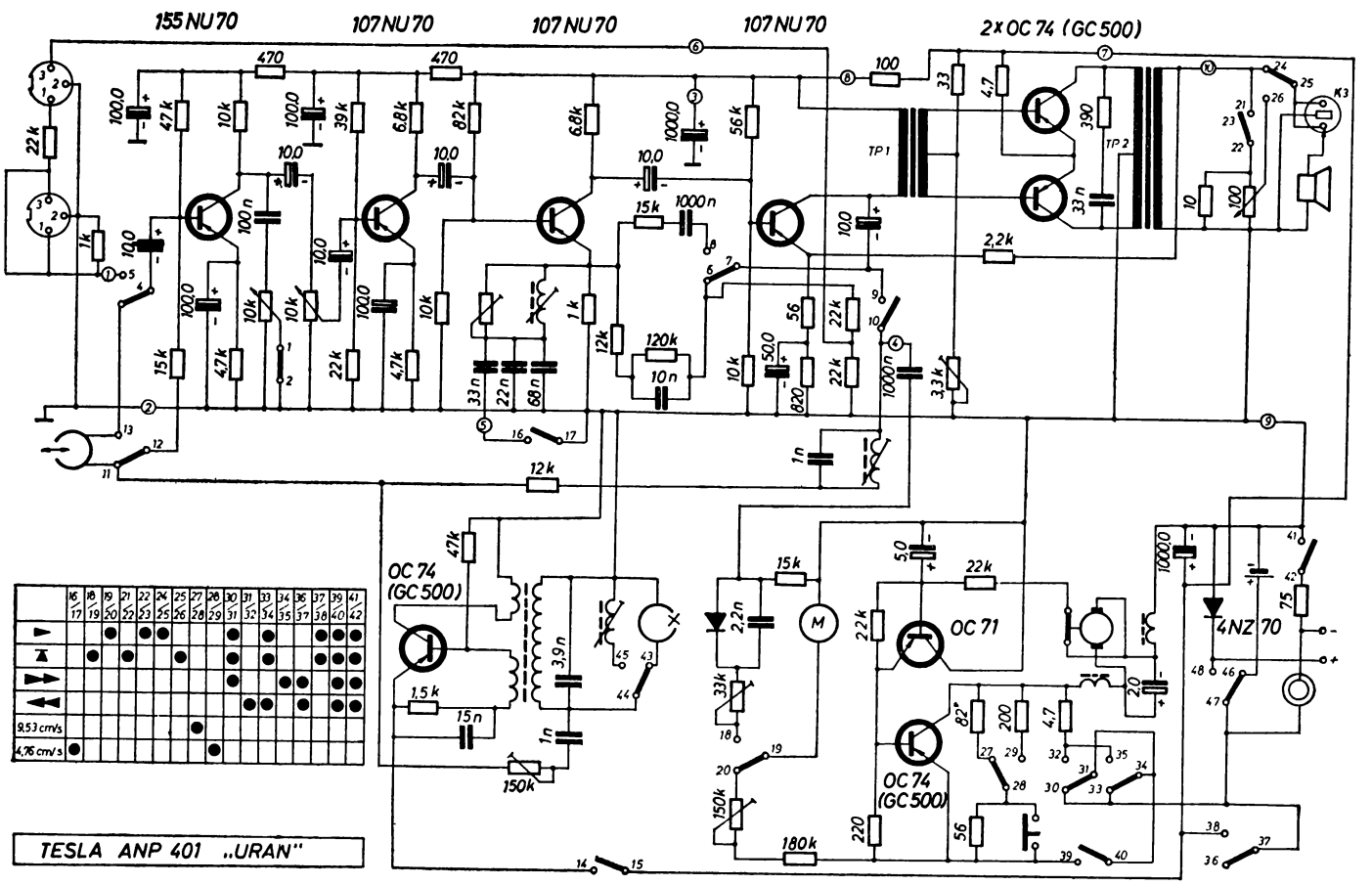
ЧЕХОСЛОВАШКИ МАГНЕТОФОНИ

TESLA ANP 225-B41



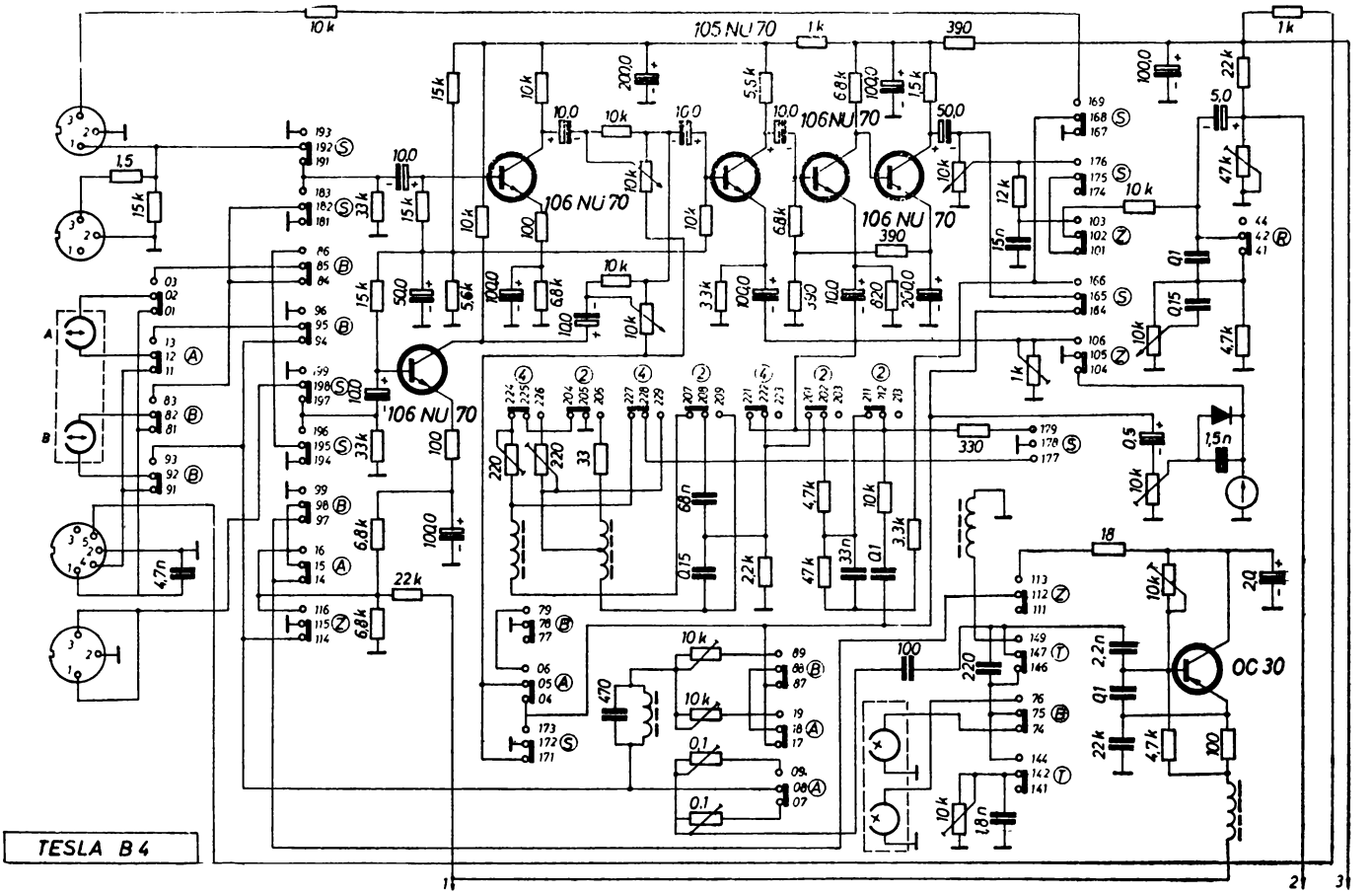
Двупистов; 4,76 cm/s и 9,53 cn/s
Честотна лента 50÷8000 Hz
респ. 50÷12000 Hz;
Захранване от мрежа и батерия;
Тегло 4 kg.

TESLA ANP 401 URAN



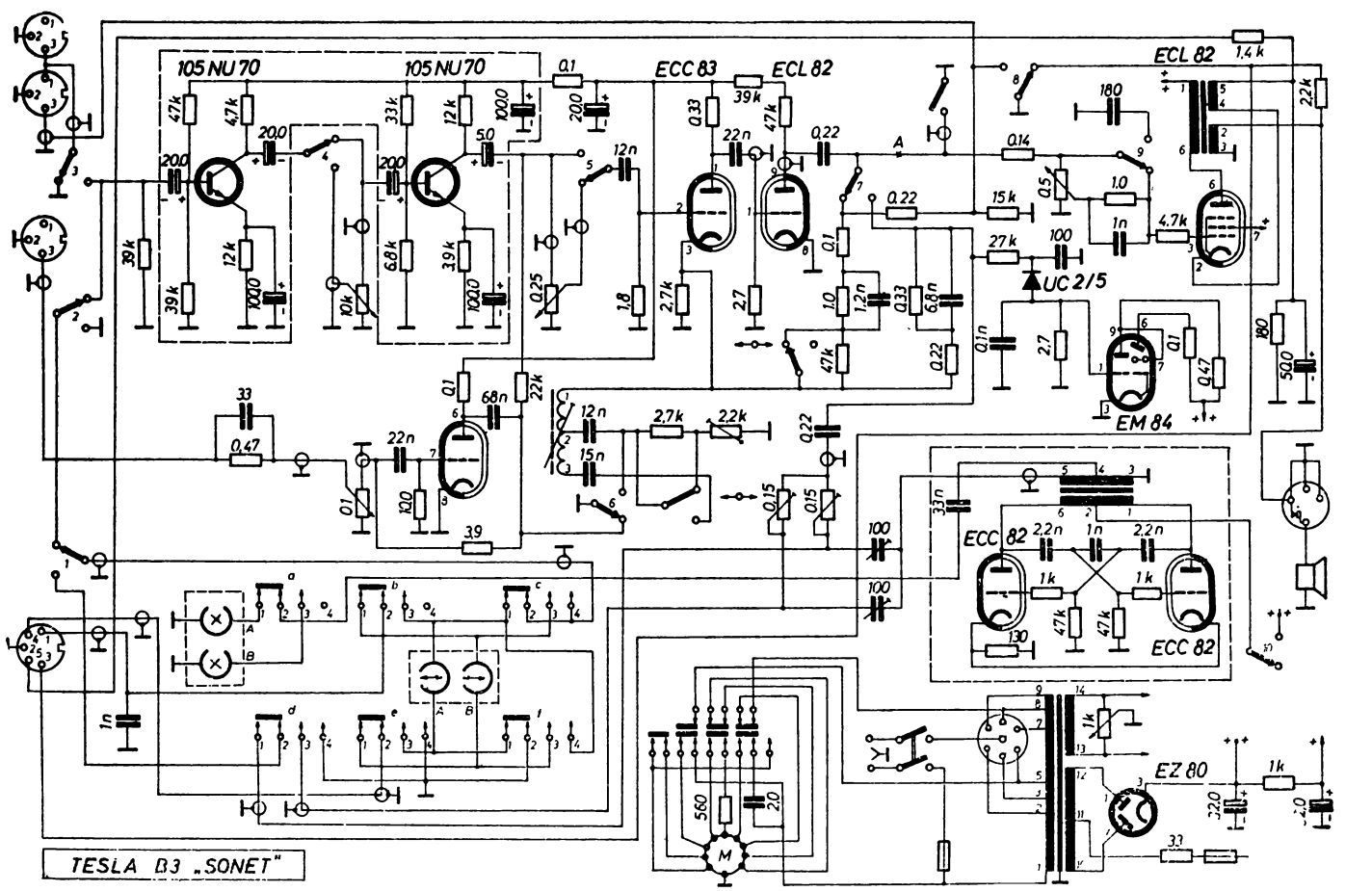
TESLA B4

Четирипистов; 2,38 cm/s, и 4,76 cm/s9,53 cm/s



TESLA B3 SONET

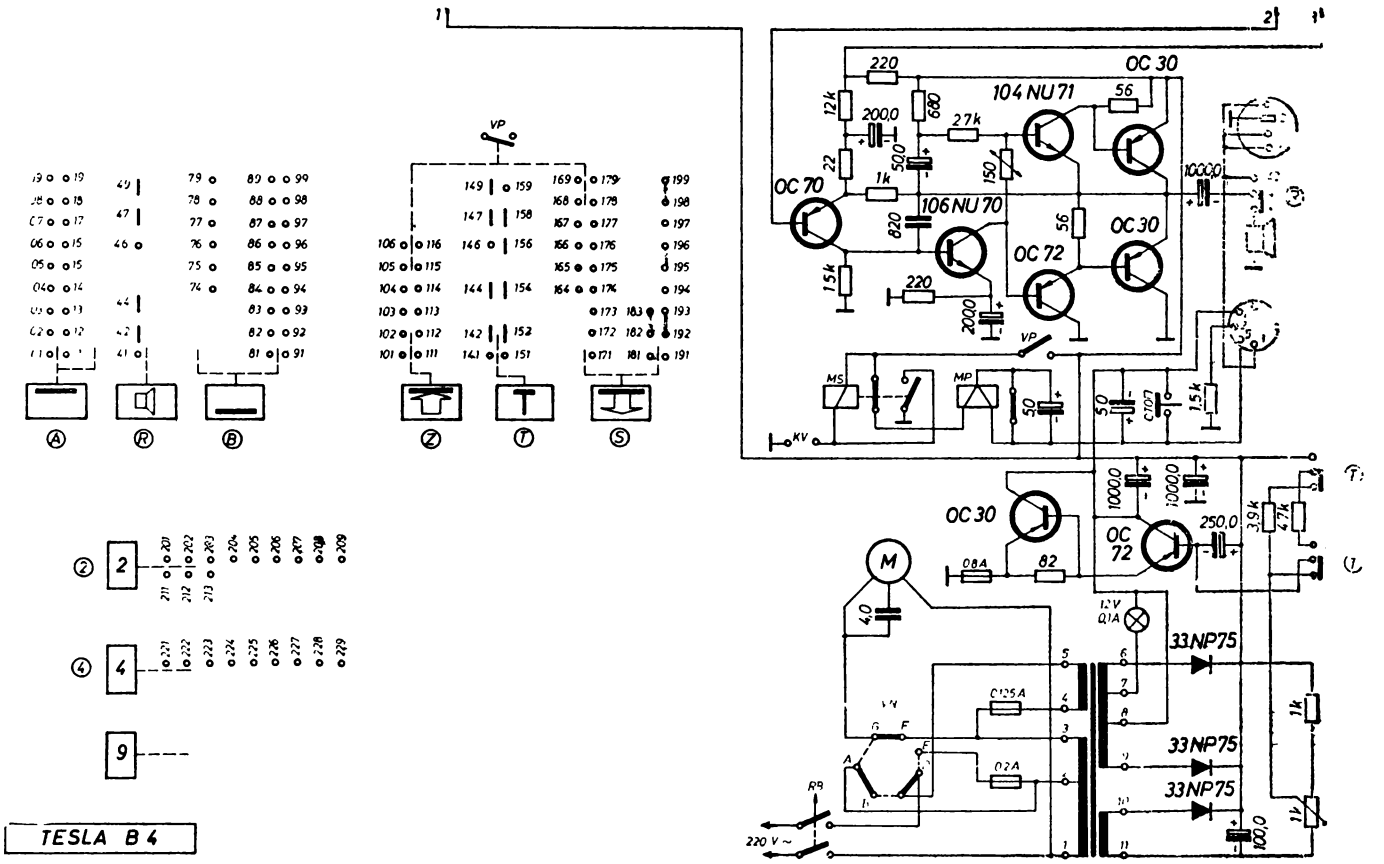
Четирипистов; 9,5 cm/s и 4,76 cm/s
Честотна лента: 50÷14000 Hz
респ. 50÷7000 Hz



TESLA B 4

Честотна лента: 100÷4000 Hz
респ. 50÷8000 Hz
респ. 50÷16000 Hz

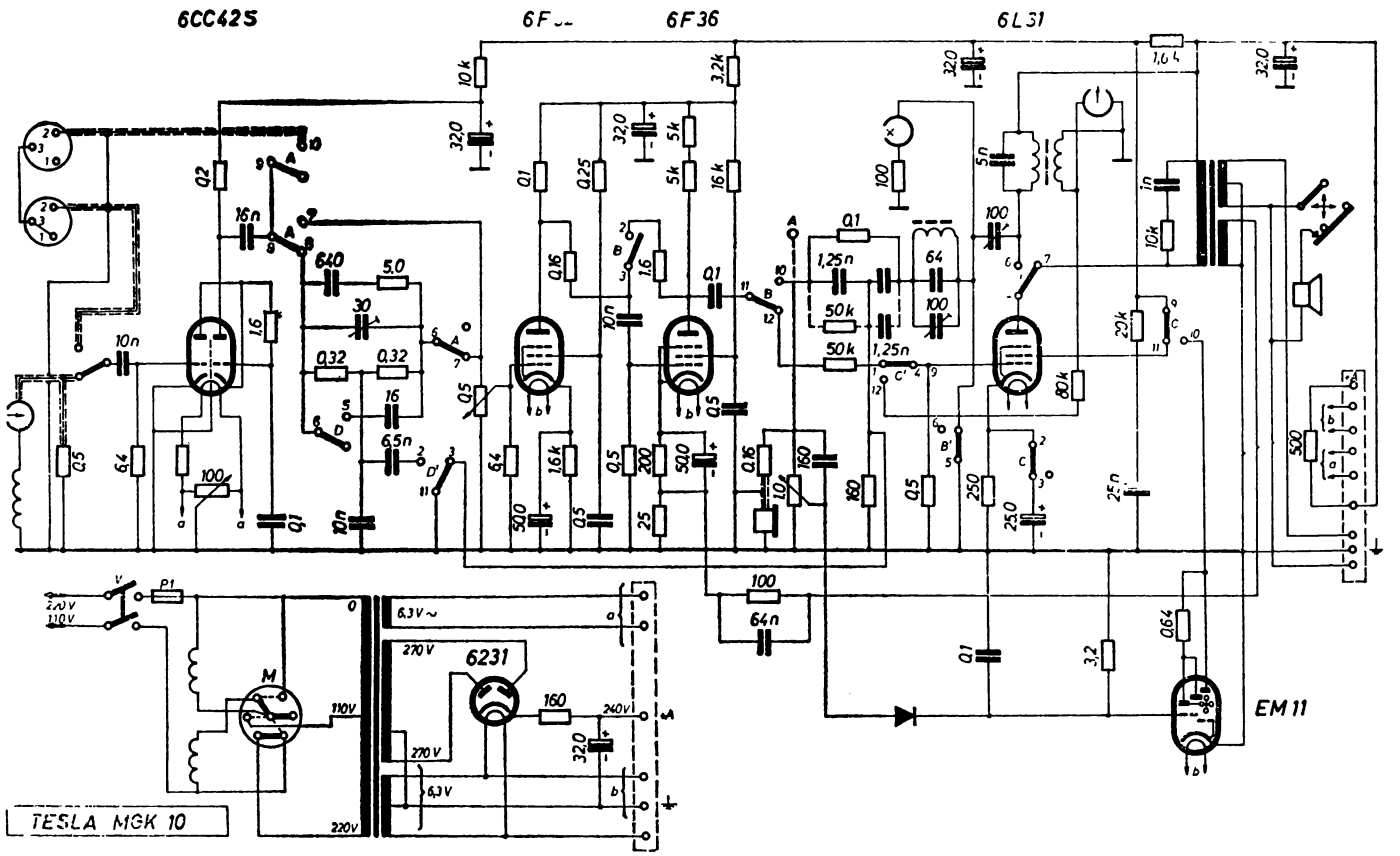
Захранване от мрежа
Тегло 7kg



TESLA MGK 10

Двупистов; 19,05 cm/s и 9,5 cm/s
Честотна лента 70÷7000 Hz
респ. 100÷4000 Hz

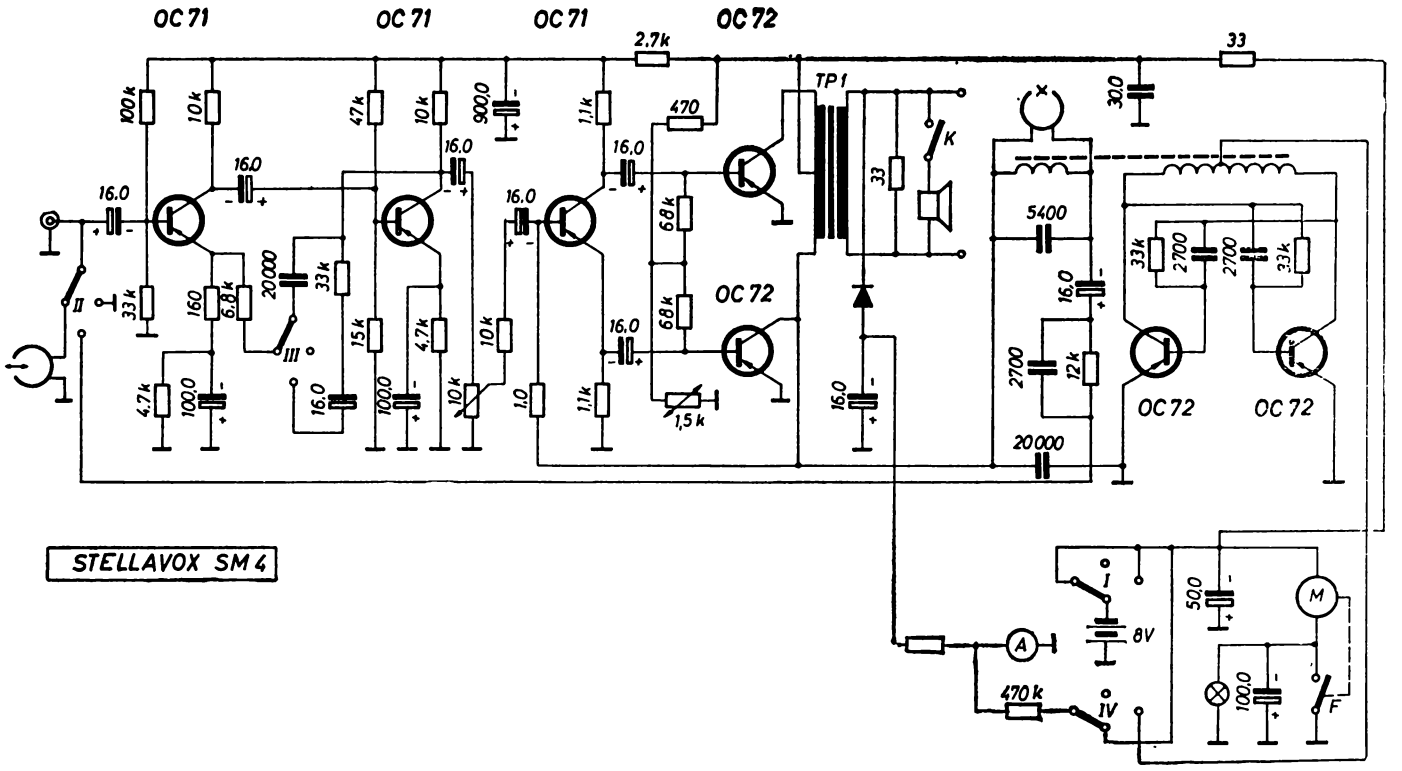
Захранване от мрежа
Тегло 16,5 kg



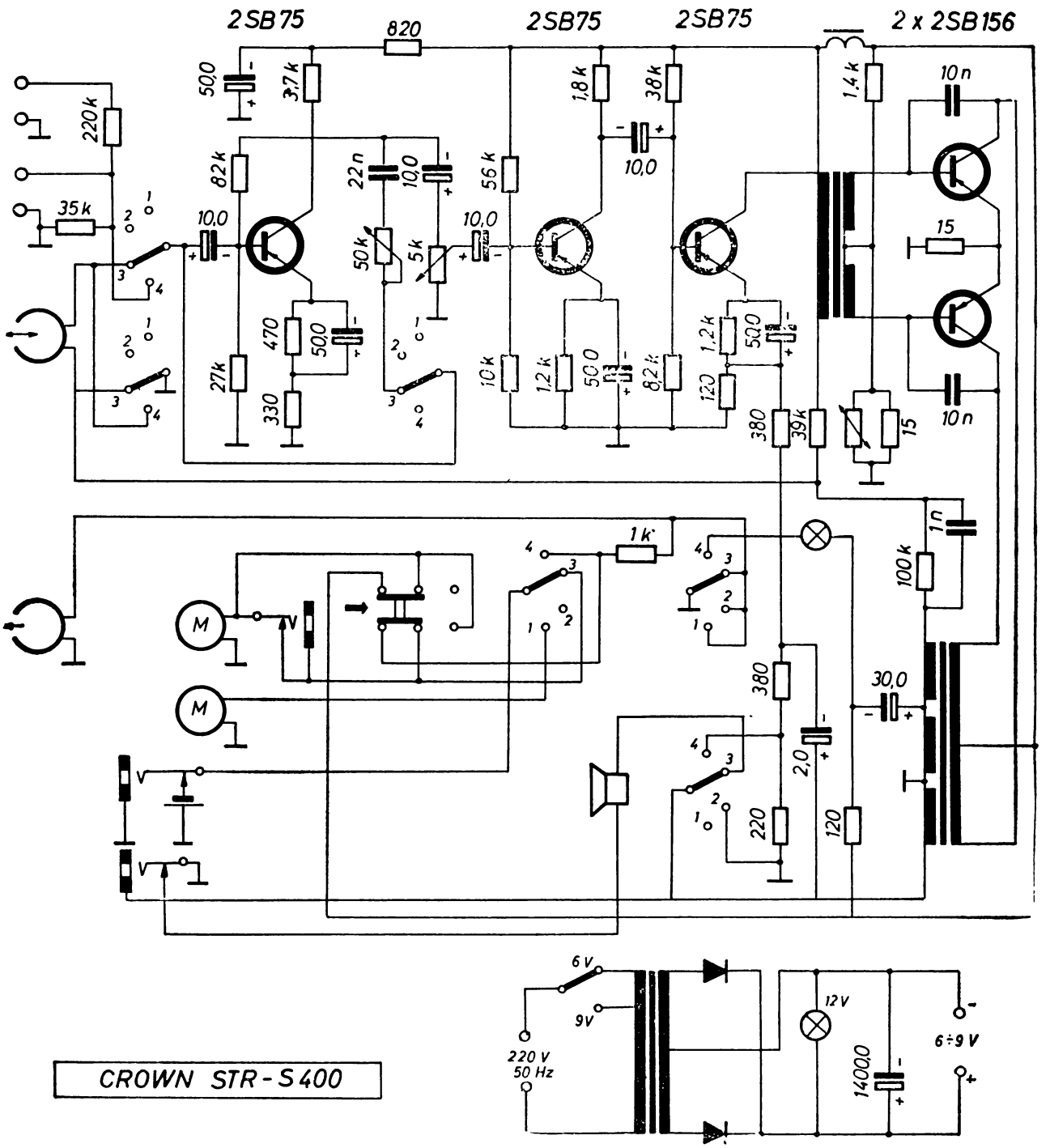
ШВЕЙЦАРСКИ МАГНЕТОФОНИ

STELLAVOX SM 4

Двупистов; 19,05 cm/s
Честотна лента 60÷14000 Hz
Захранване от батерия
Тегло 0,6 kg



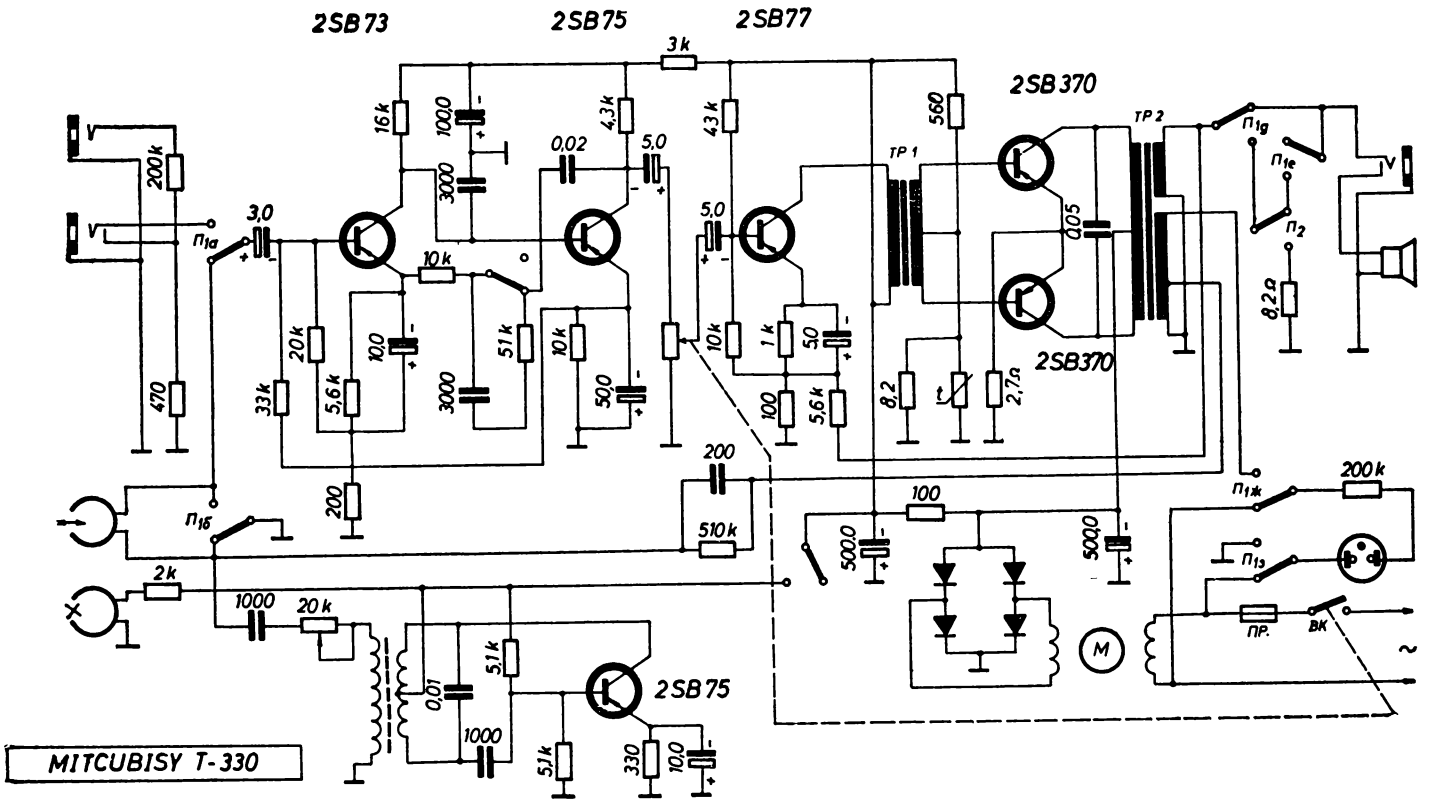
GROWN CTR—5400



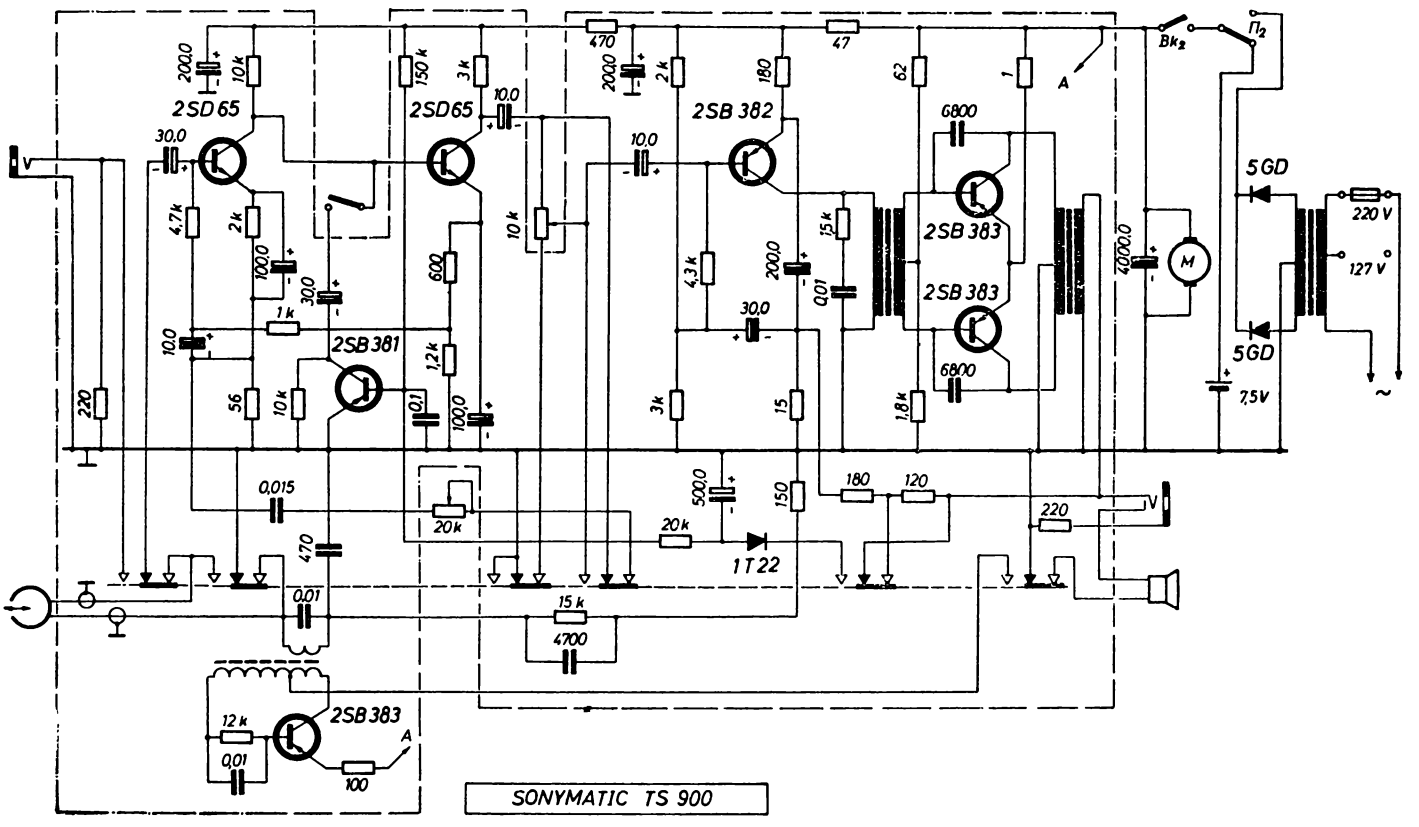
CROWN STR-S400

MITCUBISY T 330

Двупистов; 4,75 cm/s, 9,5 cm/s
Тегло 4,5 kg

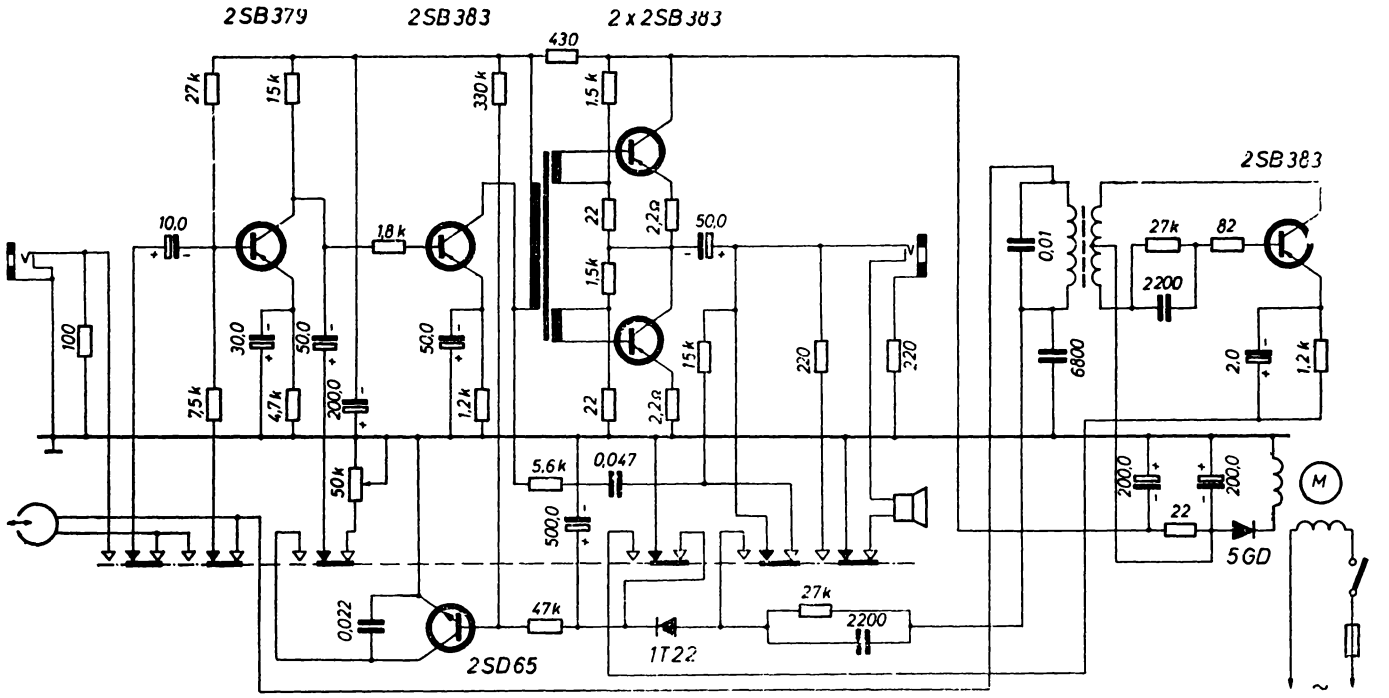


SONYMATIC TS900



SONYMATIC TS 123

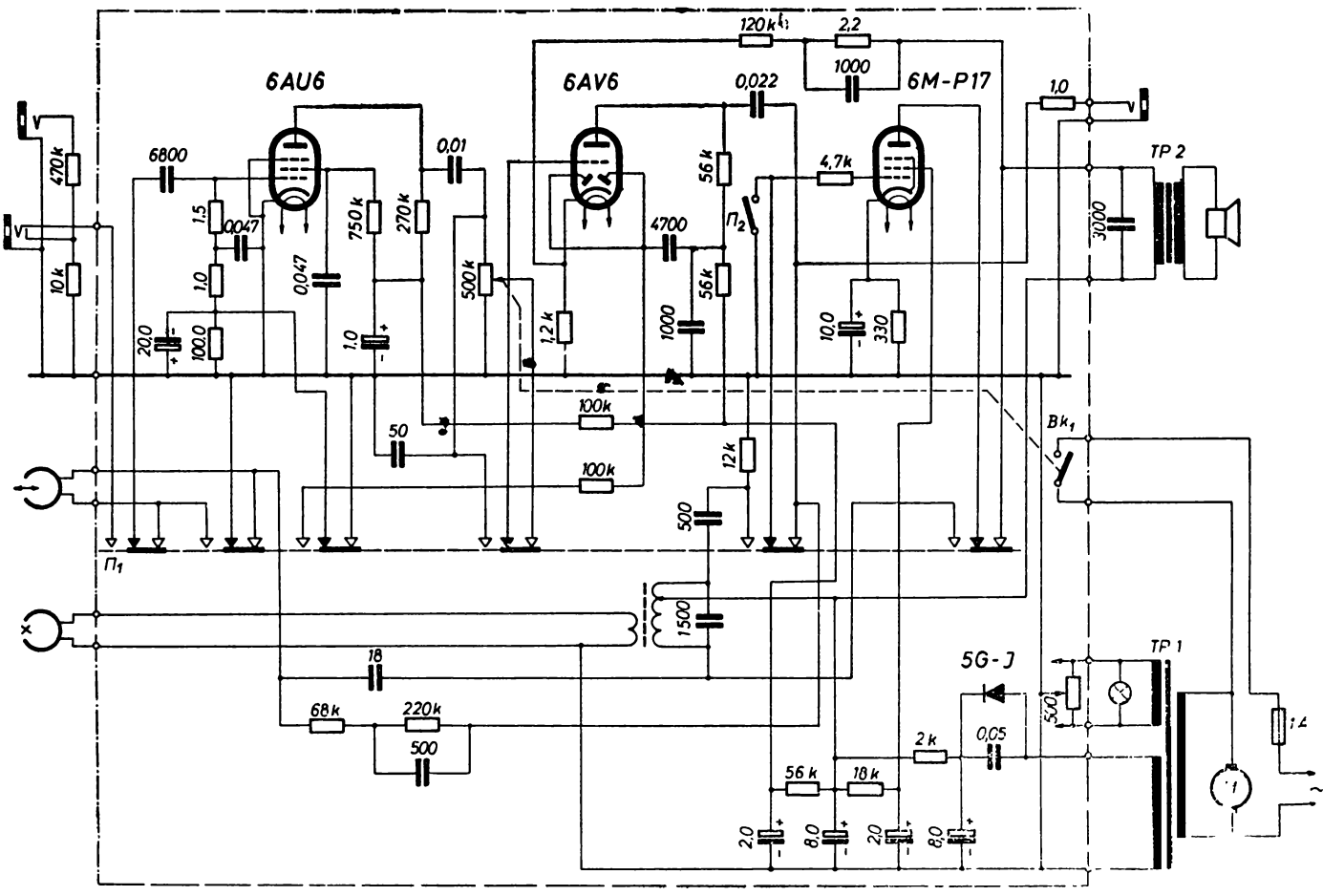
Двупистов; 4,75 cm/s, 9,5 cm/s
Тегло 1,8 kg



SONYMATIC TS 123

SONYMIATIC TS 900
SONYMATIC 5 — TS 135

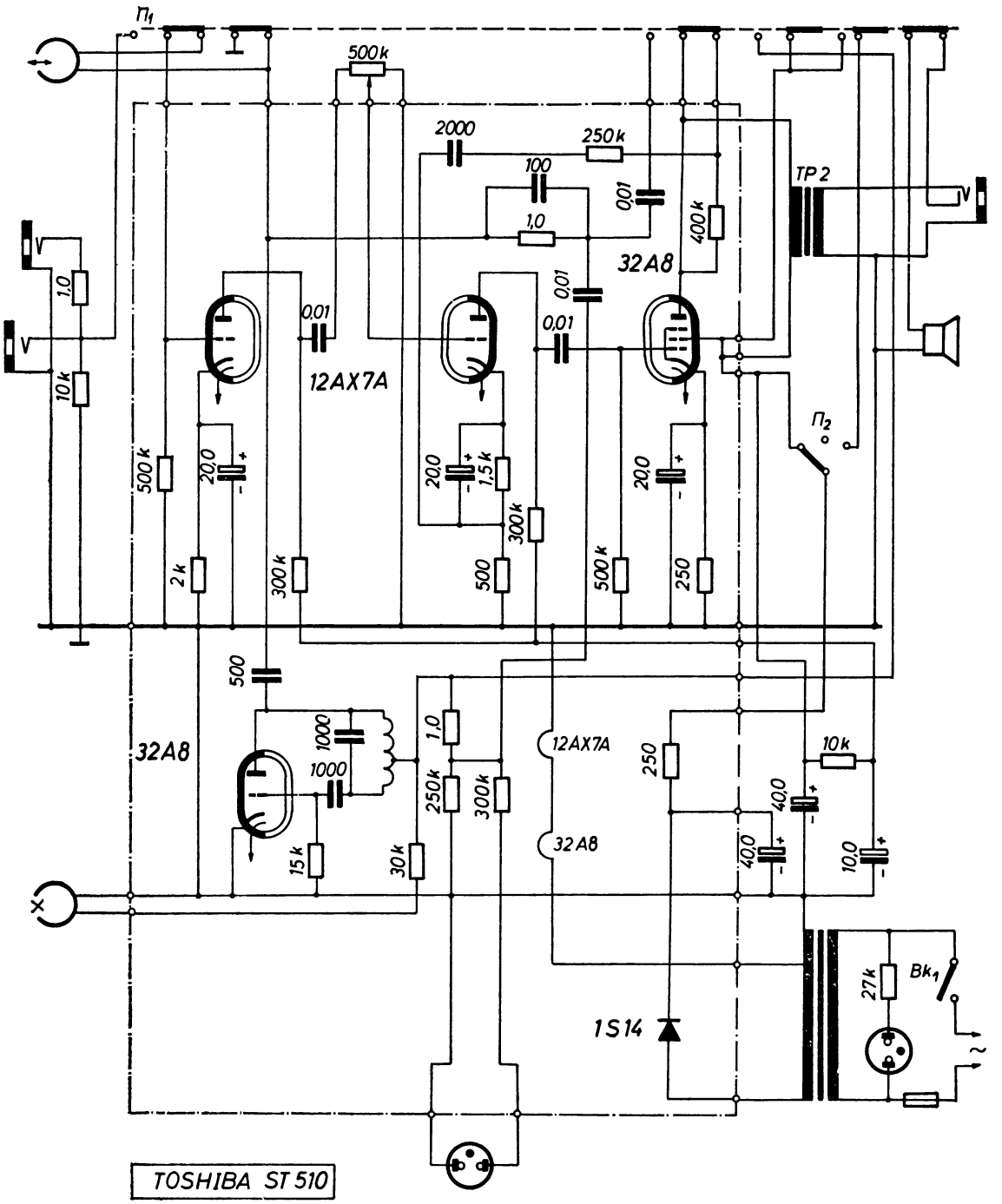
Двупистов; 4,75 cm/s, 9,5 cm/s
Тегло 3,4 kg



SONYMATIC 5 - TS 135

TOCHIBA ST 510

Двупистов; 4,75 cm/s, 9,5 cm/s
Тегло 3,8 kg



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